

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121422\  
 Data File : VN075772.D  
 Acq On : 14 Dec 2022 16:03  
 Operator : JC\MD  
 Sample : VN1214WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1214WBS01

Quant Time: Dec 15 00:27:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 324193   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 517994   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 467263   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 224897   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 183012   | 51.890   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 103.780% |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 166156   | 51.796   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 103.600% |      |
| 50) Toluene-d8              | 10.571 | 98    | 621883   | 51.850   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 103.700% |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 209028   | 52.619   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 105.240% |      |

|                              |       |     |        |         |      |     |
|------------------------------|-------|-----|--------|---------|------|-----|
| Target Compounds             |       |     |        | Qvalue  |      |     |
| 2) Dichlorodifluoromethane   | 2.136 | 85  | 41062  | 17.838  | ug/l | 93  |
| 3) Chloromethane             | 2.371 | 50  | 47004  | 16.422  | ug/l | 99  |
| 4) Vinyl Chloride            | 2.524 | 62  | 59269  | 17.359  | ug/l | 97  |
| 5) Bromomethane              | 2.948 | 94  | 52591  | 18.124  | ug/l | 98  |
| 6) Chloroethane              | 3.118 | 64  | 46071  | 18.221  | ug/l | 95  |
| 7) Trichlorofluoromethane    | 3.501 | 101 | 89338  | 17.244  | ug/l | 96  |
| 8) Diethyl Ether             | 3.965 | 74  | 34908  | 18.447  | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 4.377 | 101 | 52890  | 17.878  | ug/l | 99  |
| 10) Methyl Iodide            | 4.595 | 142 | 83389  | 17.368  | ug/l | 99  |
| 11) Tert butyl alcohol       | 5.536 | 59  | 49692  | 99.572  | ug/l | 100 |
| 12) 1,1-Dichloroethene       | 4.353 | 96  | 51034  | 17.762  | ug/l | 95  |
| 13) Acrolein                 | 4.195 | 56  | 57903  | 94.640  | ug/l | 100 |
| 14) Allyl chloride           | 5.030 | 41  | 59941  | 17.846  | ug/l | 92  |
| 15) Acrylonitrile            | 5.730 | 53  | 127023 | 93.270  | ug/l | 99  |
| 16) Acetone                  | 4.436 | 43  | 122503 | 100.759 | ug/l | 90  |
| 17) Carbon Disulfide         | 4.724 | 76  | 120239 | 17.284  | ug/l | 99  |
| 18) Methyl Acetate           | 5.036 | 43  | 66284  | 18.444  | ug/l | 98  |
| 19) Methyl tert-butyl Ether  | 5.806 | 73  | 182913 | 19.331  | ug/l | 92  |
| 20) Methylene Chloride       | 5.289 | 84  | 60721  | 18.263  | ug/l | 98  |
| 21) trans-1,2-Dichloroethene | 5.794 | 96  | 54509  | 17.323  | ug/l | 96  |
| 22) Diisopropyl ether        | 6.683 | 45  | 153212 | 18.777  | ug/l | 98  |
| 23) Vinyl Acetate            | 6.612 | 43  | 514360 | 93.657  | ug/l | 99  |
| 24) 1,1-Dichloroethane       | 6.577 | 63  | 98203  | 18.046  | ug/l | 97  |
| 25) 2-Butanone               | 7.494 | 43  | 166066 | 97.552  | ug/l | 99  |
| 26) 2,2-Dichloropropane      | 7.494 | 77  | 85169  | 18.481  | ug/l | 96  |
| 27) cis-1,2-Dichloroethene   | 7.494 | 96  | 68497  | 18.201  | ug/l | 98  |
| 28) Bromochloromethane       | 7.824 | 49  | 43005  | 18.031  | ug/l | 99  |
| 29) Tetrahydrofuran          | 7.841 | 42  | 100966 | 94.643  | ug/l | 99  |
| 30) Chloroform               | 7.971 | 83  | 110281 | 18.000  | ug/l | 100 |
| 31) Cyclohexane              | 8.259 | 56  | 90820  | 17.980  | ug/l | 96  |
| 32) 1,1,1-Trichloroethane    | 8.177 | 97  | 97896  | 18.023  | ug/l | 98  |
| 36) 1,1-Dichloropropene      | 8.377 | 75  | 76352  | 17.917  | ug/l | 98  |
| 37) Ethyl Acetate            | 7.565 | 43  | 65056  | 19.006  | ug/l | 99  |
| 38) Carbon Tetrachloride     | 8.371 | 117 | 86831  | 18.206  | ug/l | 98  |
| 39) Methylcyclohexane        | 9.606 | 83  | 95966  | 18.667  | ug/l | 95  |
| 40) Benzene                  | 8.612 | 78  | 241396 | 18.360  | ug/l | 99  |

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 Operator : JC\MD  
 Sample : VN1214WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1214WBS01

Quant Time: Dec 15 00:27:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 34331    | 19.296  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 84045    | 19.228  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 107938   | 19.117  | ug/l   | 99       |
| 44) Trichloroethene           | 9.353  | 130  | 67310    | 18.173  | ug/l   | 86       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 59387    | 18.562  | ug/l   | 94       |
| 46) Dibromomethane            | 9.712  | 93   | 43056    | 18.144  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.888  | 83   | 85083    | 18.283  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.682  | 41   | 50970    | 20.043  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 27155    | 434.346 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 337642   | 98.880  | ug/l   | 100      |
| 52) Toluene                   | 10.629 | 92   | 159987   | 18.684  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 88160    | 19.353  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 95894    | 19.173  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 64065    | 19.062  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 89123    | 19.964  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 105704   | 19.174  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 114630   | 80.650  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.200 | 43   | 252579   | 101.429 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.359 | 129  | 69850    | 18.688  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 64153    | 18.862  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 60842    | 18.504  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.894 | 112  | 174710   | 18.217  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 68215    | 19.203  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.965 | 91   | 305353   | 18.865  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.071 | 106  | 244463   | 38.159  | ug/l   | 100      |
| 69) o-Xylene                  | 12.400 | 106  | 121255   | 19.126  | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 196411   | 19.484  | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 50083    | 19.376  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.700 | 105  | 309865   | 19.066  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 92646    | 19.432  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 91882    | 18.288  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 107882   | 23.797  | ug/l   | 75       |
| 77) Bromobenzene              | 12.982 | 156  | 76852    | 18.685  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.041 | 91   | 346761   | 19.345  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 209361   | 18.711  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 269826   | 19.837  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 24878    | 19.753  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 13.129 | 91   | 209361   | 18.711  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.441 | 119  | 234841   | 19.582  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 268283   | 19.882  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 327671   | 19.796  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 277451   | 20.144  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 144865   | 19.067  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 141737   | 18.262  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 215045   | 19.272  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 47541    | 19.296  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 144296   | 19.282  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 15129    | 16.970  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 69482    | 18.754  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 37812    | 18.706  | ug/l   | 99       |
| 95) Naphthalene               | 15.647 | 128  | 197230   | 17.590  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 64547    | 18.640  | ug/l   | 97       |

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Data File : VN075772.D  
Acq On : 14 Dec 2022 16:03  
Operator : JC\MD  
Sample : VN1214WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

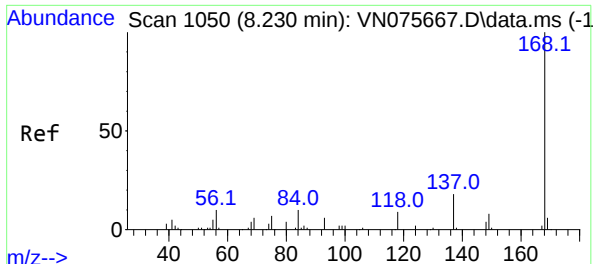
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

Quant Time: Dec 15 00:27:35 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 14 13:03:41 2022  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

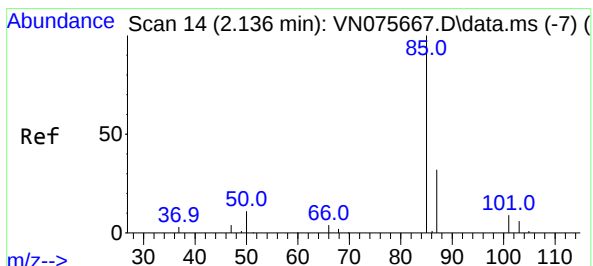
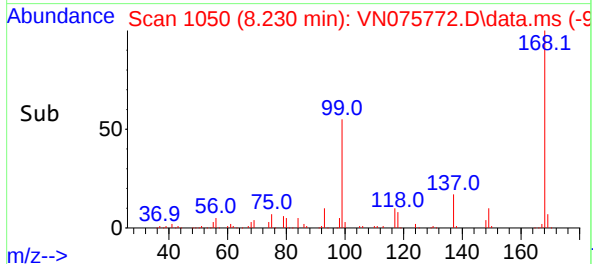
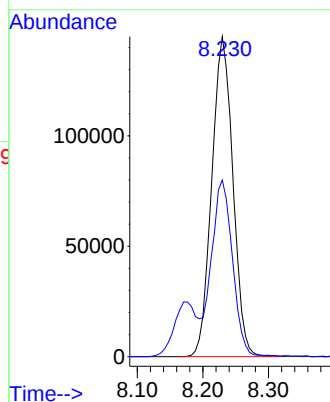
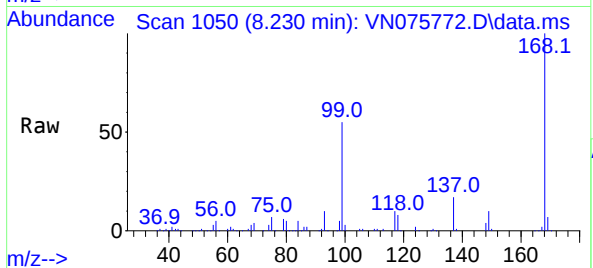




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

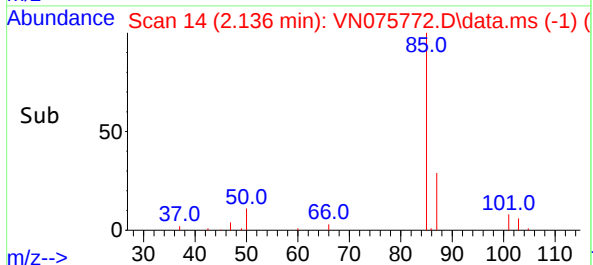
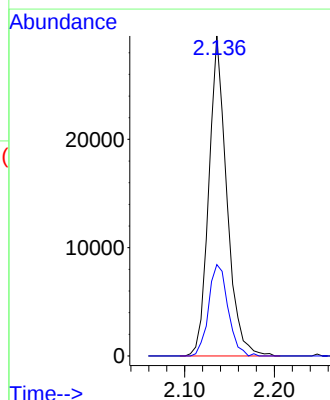
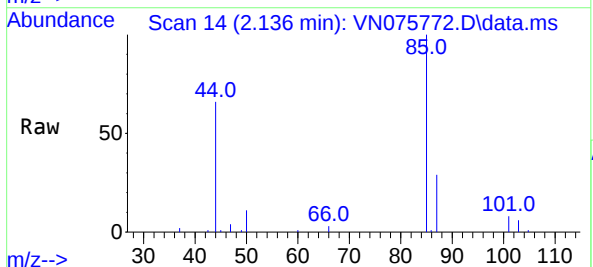
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

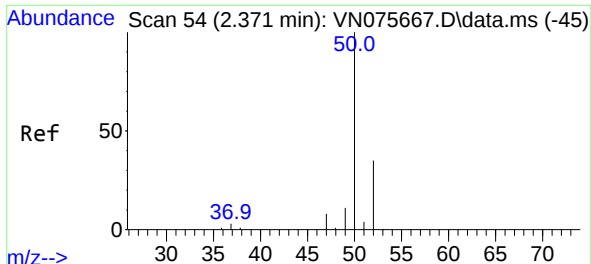
Tgt Ion:168 Resp: 324193  
Ion Ratio Lower Upper  
168 100  
99 55.1 44.2 66.4



#2  
Dichlorodifluoromethane  
Concen: 17.838 ug/l  
RT: 2.136 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 85 Resp: 41062  
Ion Ratio Lower Upper  
85 100  
87 28.6 16.3 48.9

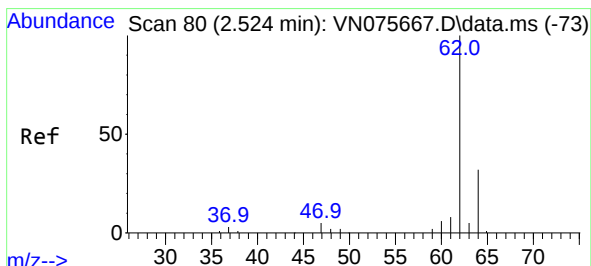
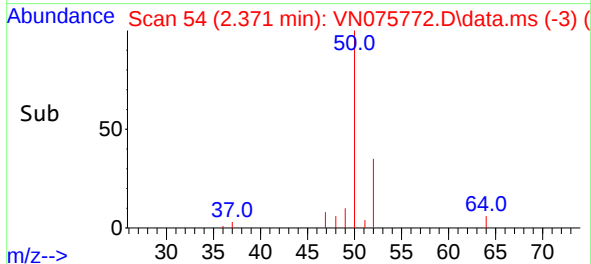
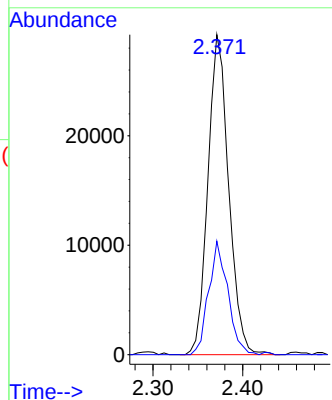
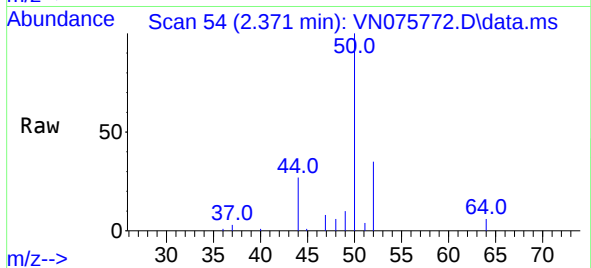




#3  
Chloromethane  
Concen: 16.422 ug/l  
RT: 2.371 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

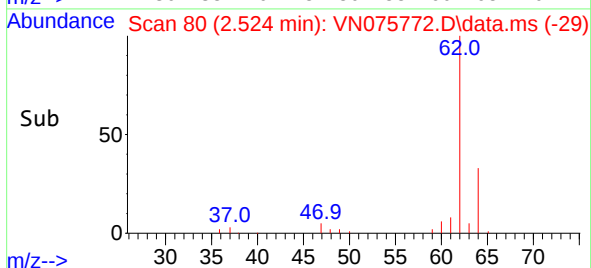
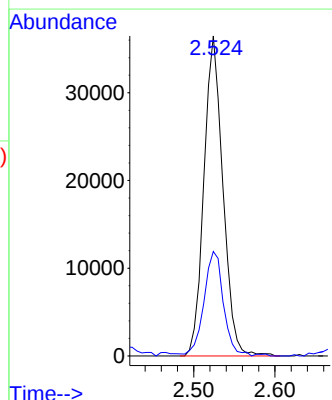
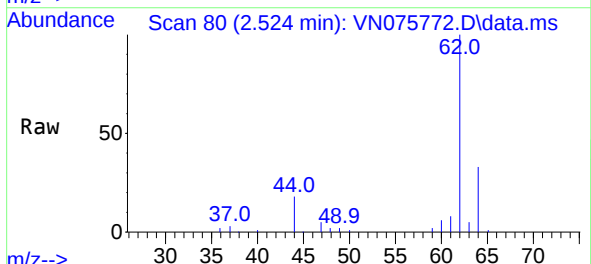
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

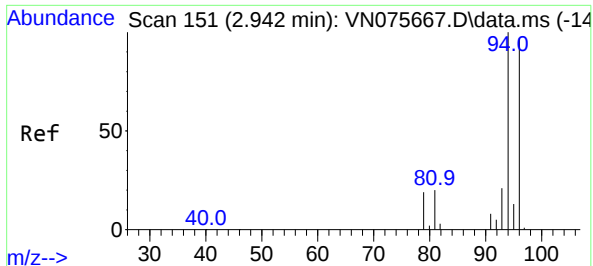
Tgt Ion: 50 Resp: 47004  
Ion Ratio Lower Upper  
50 100  
52 35.5 27.7 41.5



#4  
Vinyl Chloride  
Concen: 17.359 ug/l  
RT: 2.524 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 62 Resp: 59269  
Ion Ratio Lower Upper  
62 100  
64 32.7 24.9 37.3

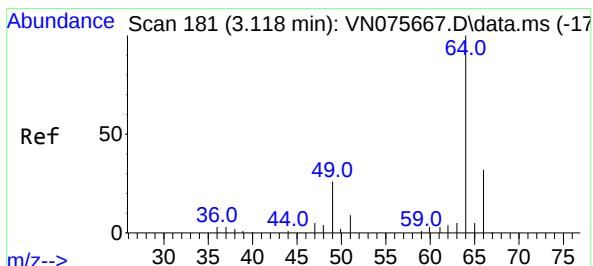
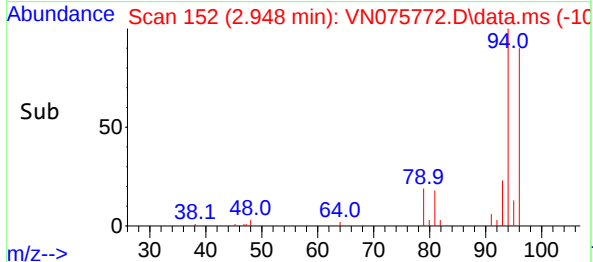
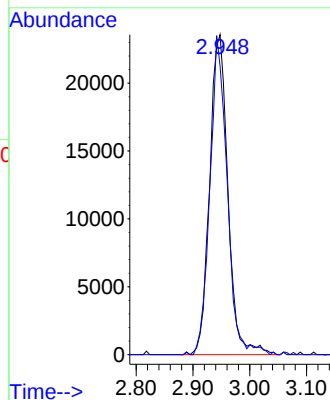
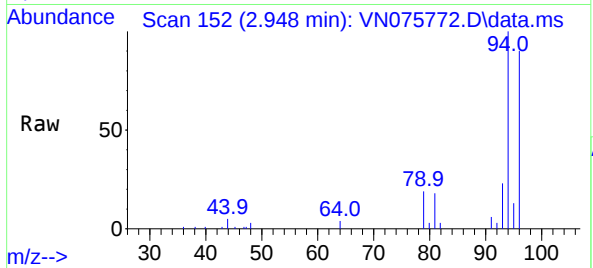




#5  
Bromomethane  
Concen: 18.124 ug/l  
RT: 2.948 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

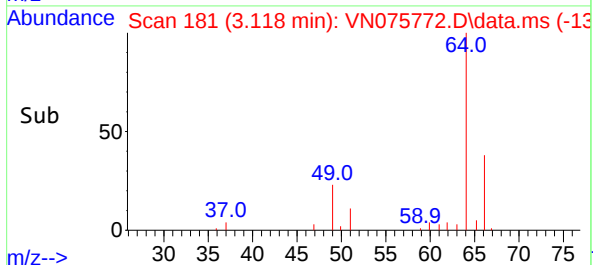
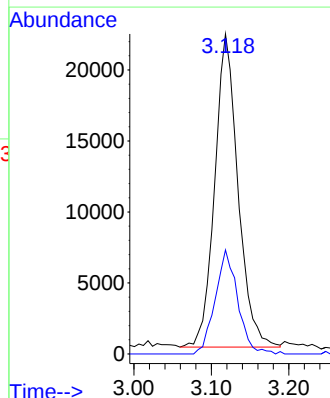
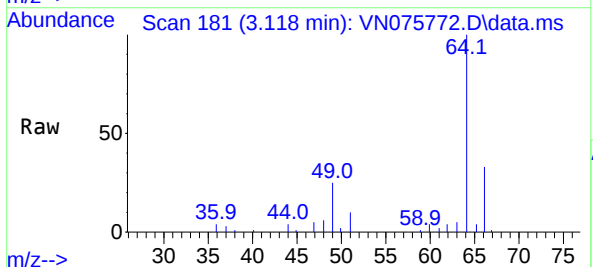
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

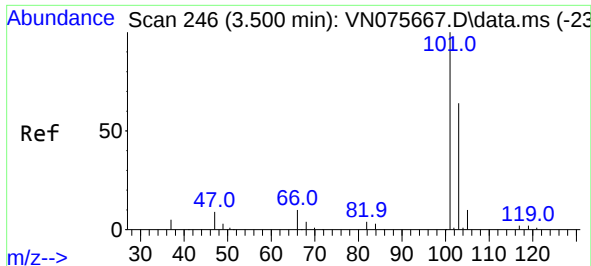
Tgt Ion: 94 Resp: 52591  
Ion Ratio Lower Upper  
94 100  
96 90.3 73.8 110.6



#6  
Chloroethane  
Concen: 18.221 ug/l  
RT: 3.118 min Scan# 181  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 64 Resp: 46071  
Ion Ratio Lower Upper  
64 100  
66 33.2 24.6 36.8

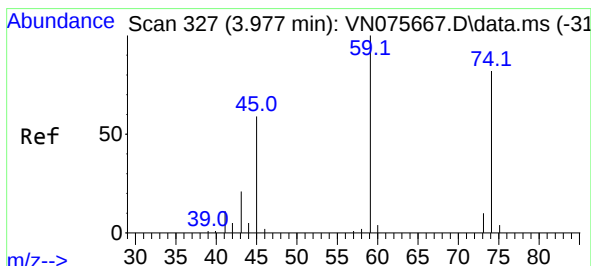
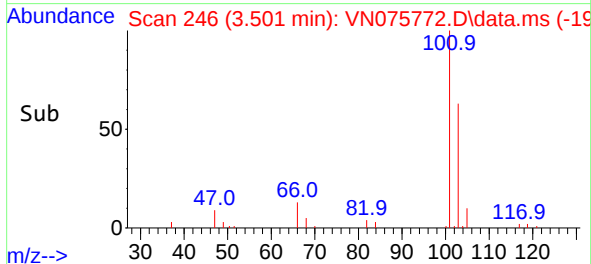
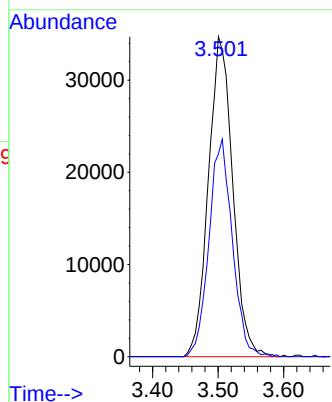
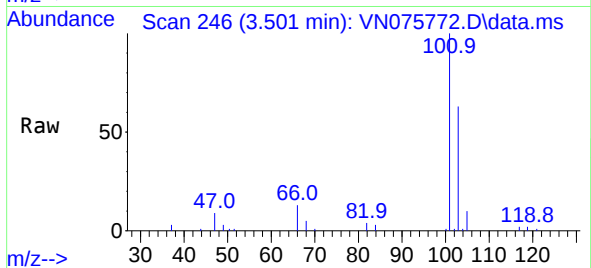




#7  
Trichlorofluoromethane  
Concen: 17.244 ug/l  
RT: 3.501 min Scan# 246  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

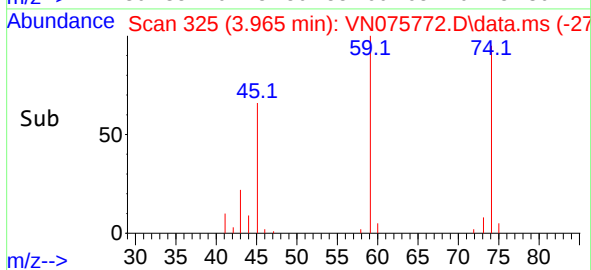
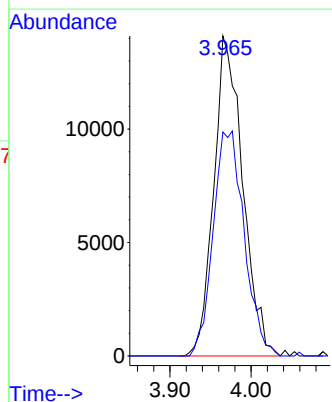
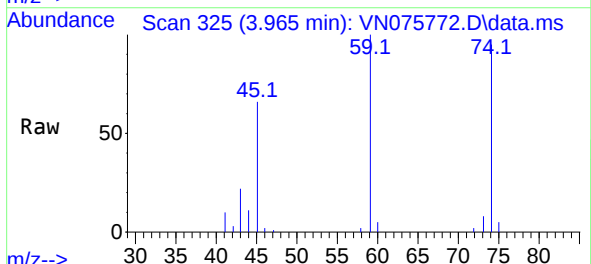
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

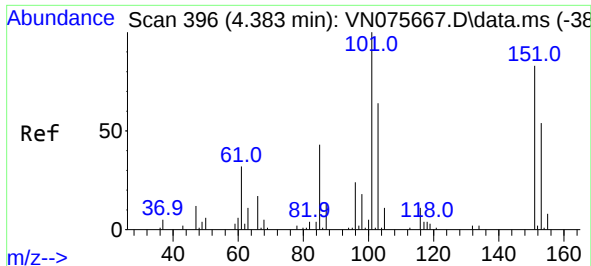
Tgt Ion:101 Resp: 89338  
Ion Ratio Lower Upper  
101 100  
103 63.4 53.4 80.2



#8  
Diethyl Ether  
Concen: 18.447 ug/l  
RT: 3.965 min Scan# 325  
Delta R.T. -0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 74 Resp: 34908  
Ion Ratio Lower Upper  
74 100  
45 75.6 37.8 113.4

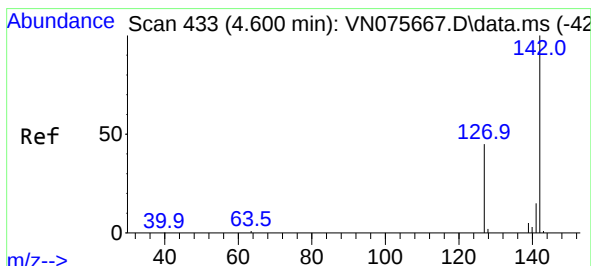
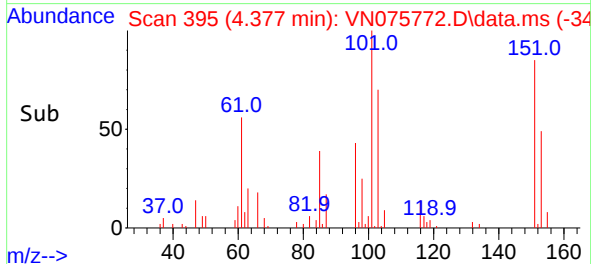
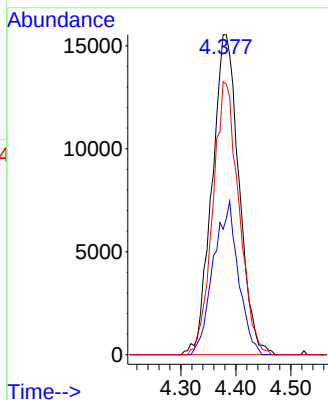
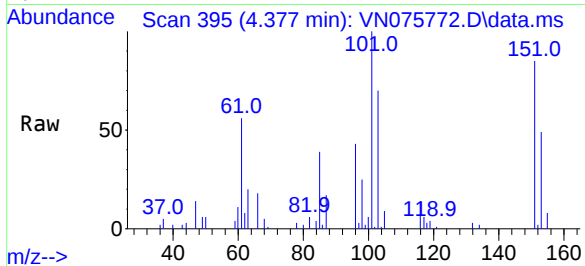




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 17.878 ug/l  
RT: 4.377 min Scan# 395  
Delta R.T. -0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

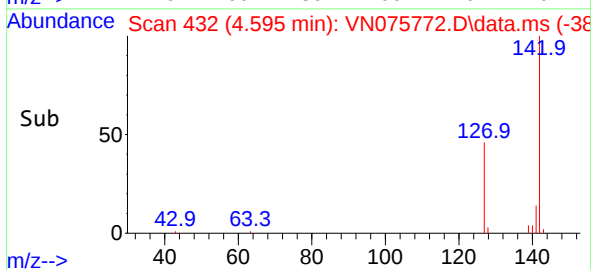
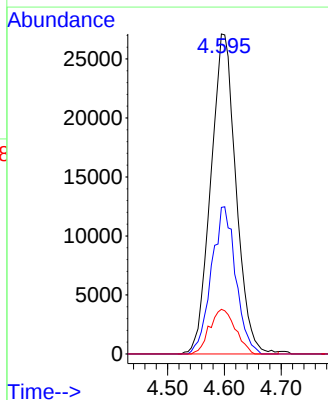
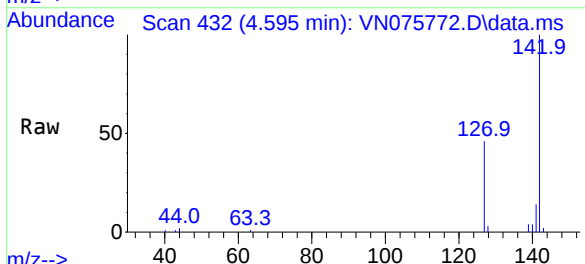
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

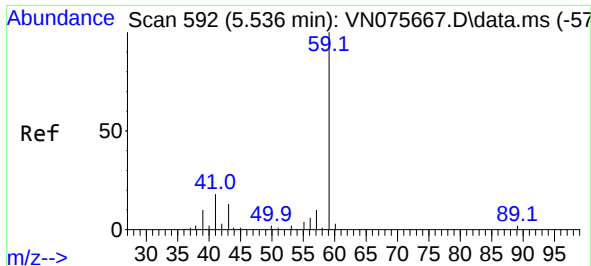
Tgt Ion:101 Resp: 52890  
Ion Ratio Lower Upper  
101 100  
85 44.5 35.3 52.9  
151 82.7 65.6 98.4



#10  
Methyl Iodide  
Concen: 17.368 ug/l  
RT: 4.595 min Scan# 432  
Delta R.T. -0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion:142 Resp: 83389  
Ion Ratio Lower Upper  
142 100  
127 44.4 34.7 52.1  
141 14.3 11.4 17.2





#11

Tert butyl alcohol

Concen: 99.572 ug/l

RT: 5.536 min Scan# 59

Delta R.T. -0.000 min

Lab File: VN075772.D

Acq: 14 Dec 2022 16:03

Instrument :

MSVOA\_N

ClientSampleId :

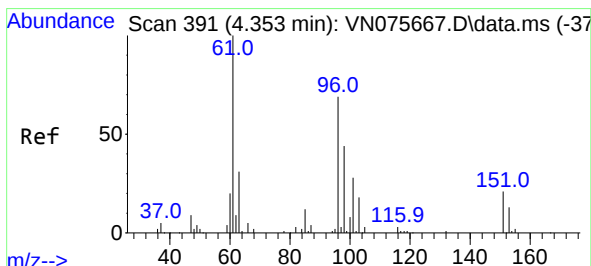
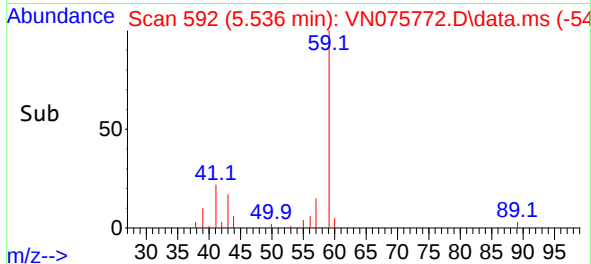
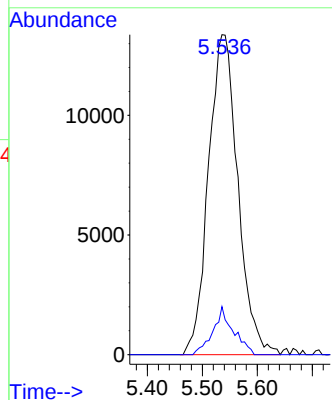
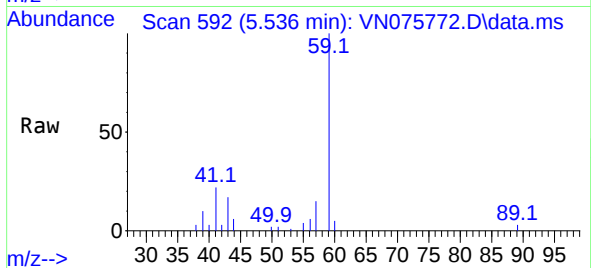
VN1214WBS01

Tgt Ion: 59 Resp: 49692

Ion Ratio Lower Upper

59 100

57 10.4 8.2 12.4



#12

1,1-Dichloroethene

Concen: 17.762 ug/l

RT: 4.353 min Scan# 391

Delta R.T. 0.006 min

Lab File: VN075772.D

Acq: 14 Dec 2022 16:03

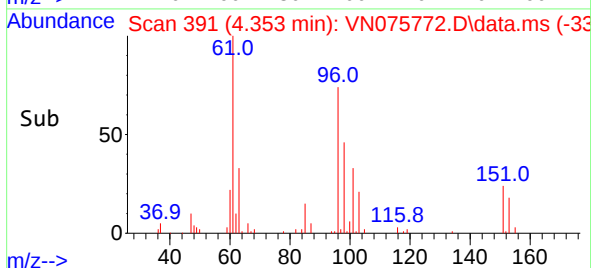
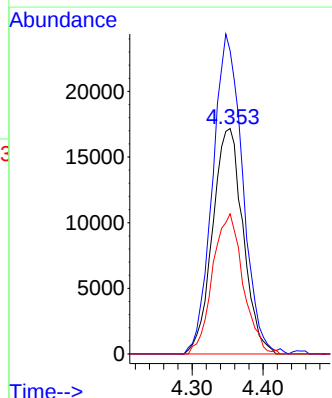
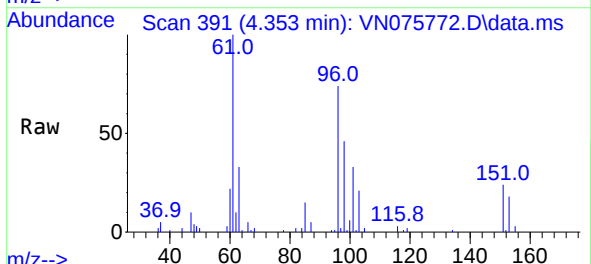
Tgt Ion: 96 Resp: 51034

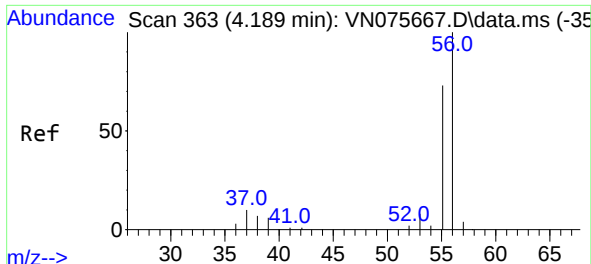
Ion Ratio Lower Upper

96 100

61 134.5 113.3 169.9

98 62.2 50.9 76.3

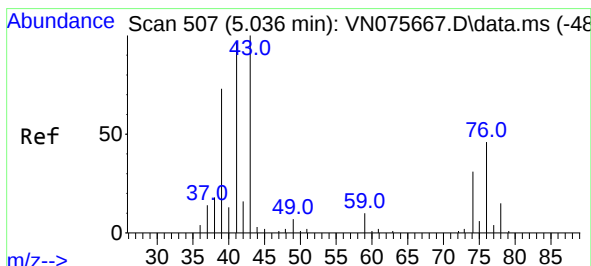
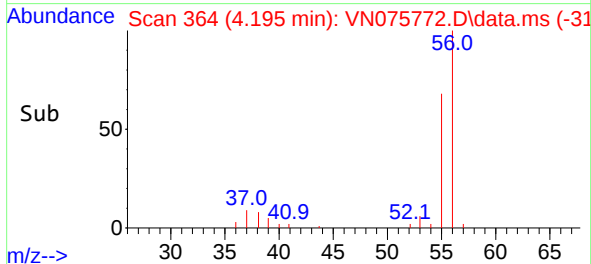
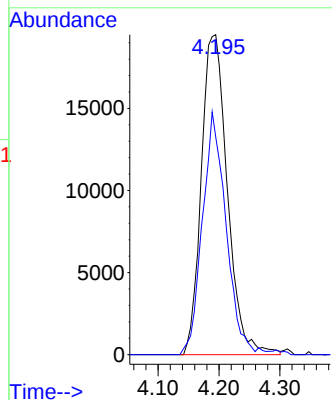
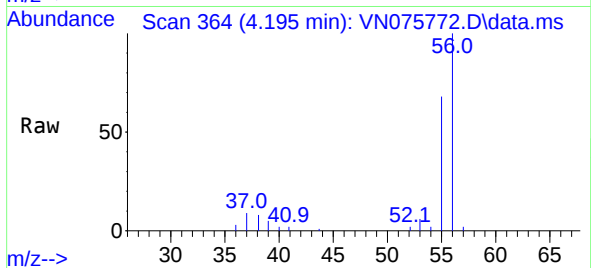




#13  
Acrolein  
Concen: 94.640 ug/l  
RT: 4.195 min Scan# 30  
Delta R.T. 0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

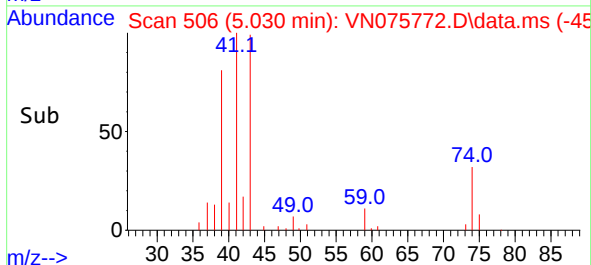
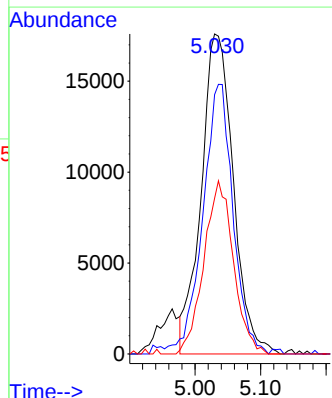
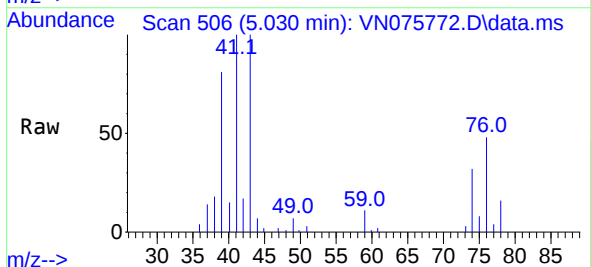
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

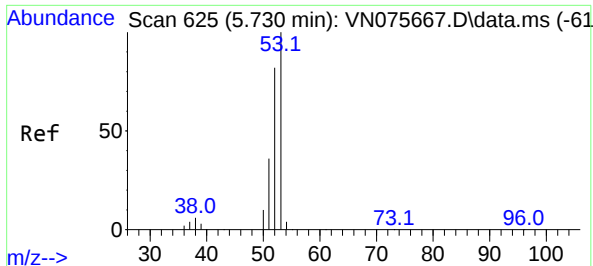
Tgt Ion: 56 Resp: 57903  
Ion Ratio Lower Upper  
56 100  
55 68.4 54.8 82.2



#14  
Allyl chloride  
Concen: 17.846 ug/l  
RT: 5.030 min Scan# 506  
Delta R.T. -0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 41 Resp: 59941  
Ion Ratio Lower Upper  
41 100  
39 79.4 58.3 87.5  
76 49.7 35.8 53.6

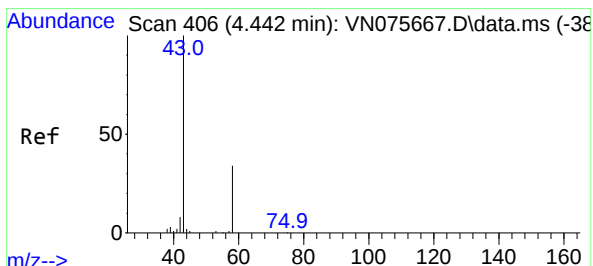
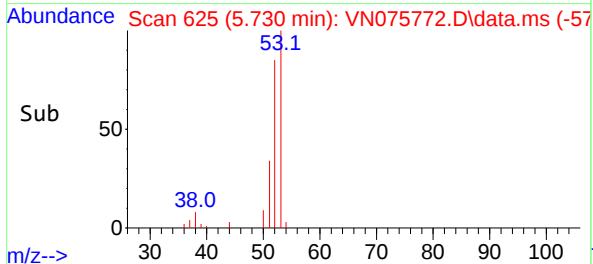
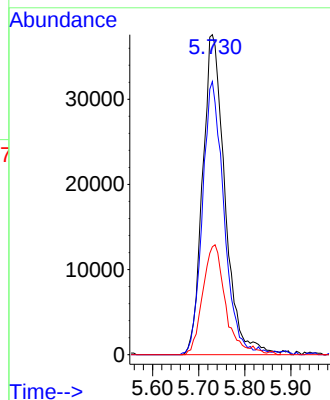
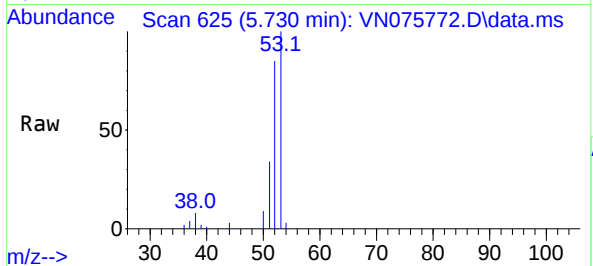




#15  
Acrylonitrile  
Concen: 93.270 ug/l  
RT: 5.730 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

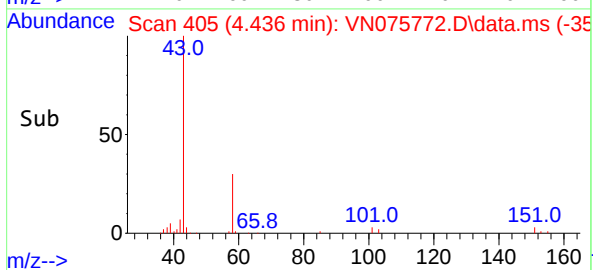
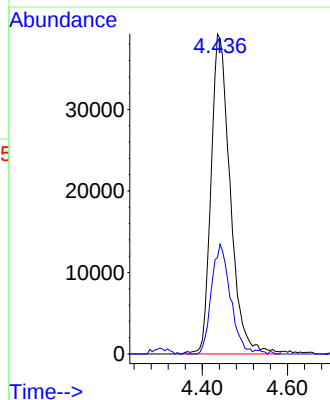
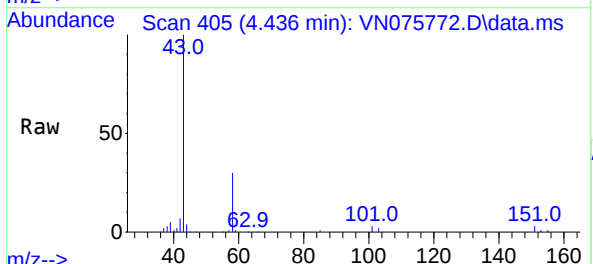
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

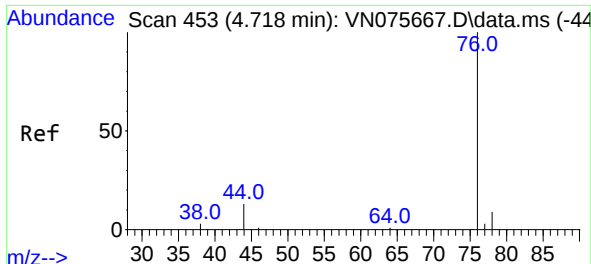
Tgt Ion: 53 Resp: 127023  
Ion Ratio Lower Upper  
53 100  
52 81.8 65.4 98.0  
51 35.1 28.9 43.3



#16  
Acetone  
Concen: 100.759 ug/l  
RT: 4.436 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 43 Resp: 122503  
Ion Ratio Lower Upper  
43 100  
58 30.1 28.6 43.0

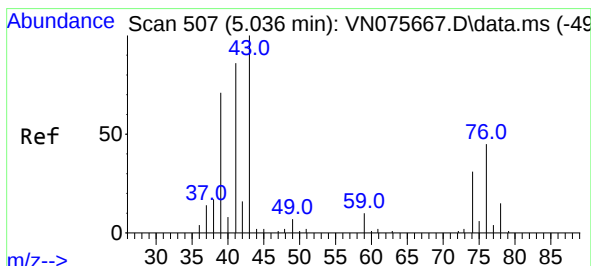
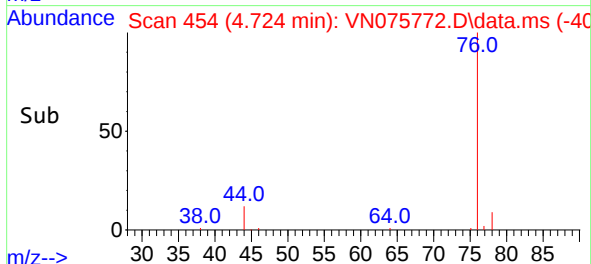
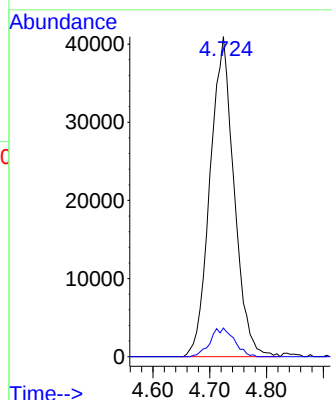
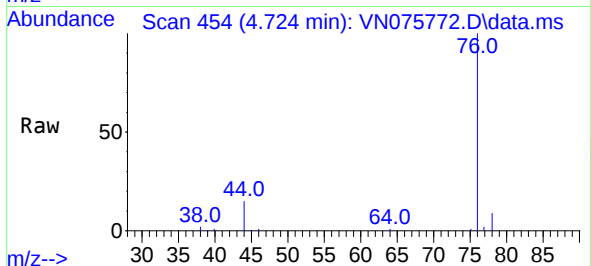




#17  
Carbon Disulfide  
Concen: 17.284 ug/l  
RT: 4.724 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

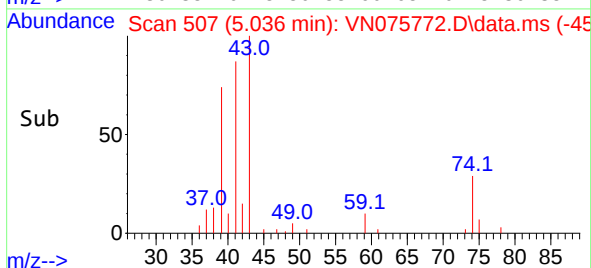
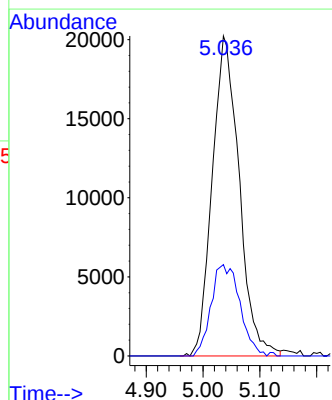
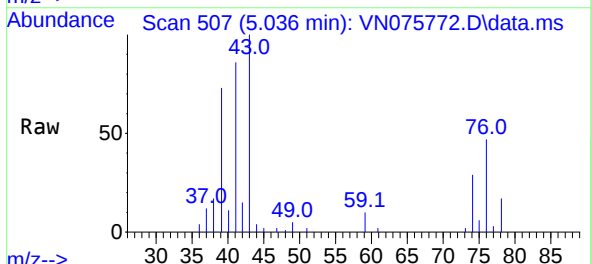
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

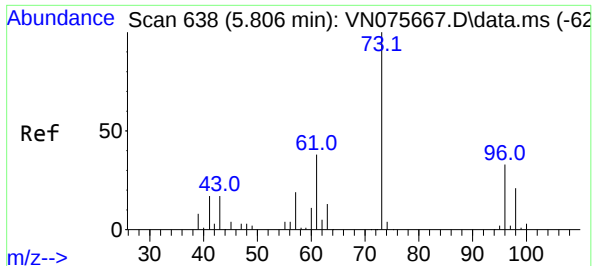
Tgt Ion: 76 Resp: 120239  
Ion Ratio Lower Upper  
76 100  
78 8.9 6.8 10.2



#18  
Methyl Acetate  
Concen: 18.444 ug/l  
RT: 5.036 min Scan# 507  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 43 Resp: 66284  
Ion Ratio Lower Upper  
43 100  
74 30.6 23.6 35.4

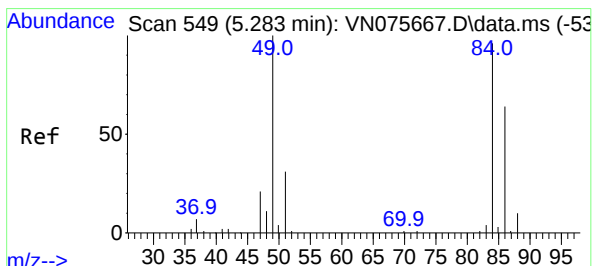
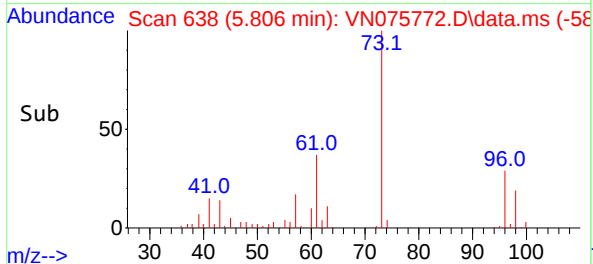
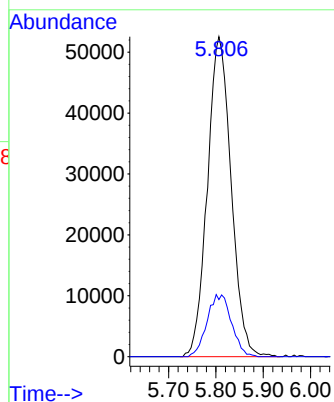
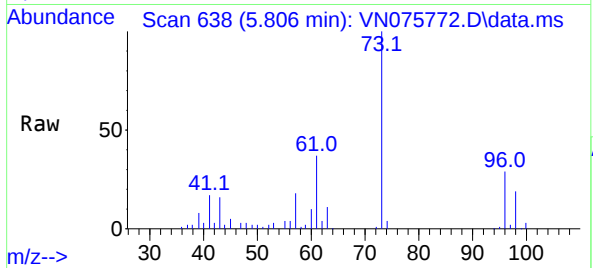




#19  
Methyl tert-butyl Ether  
Concen: 19.331 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

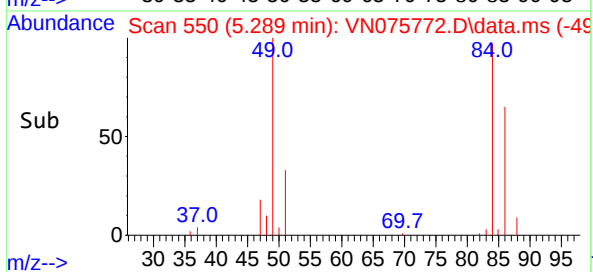
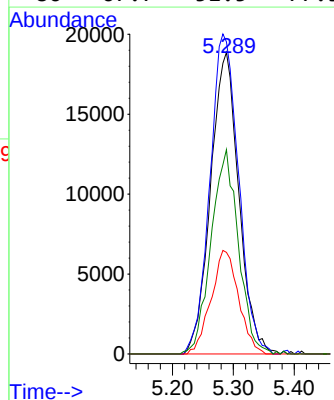
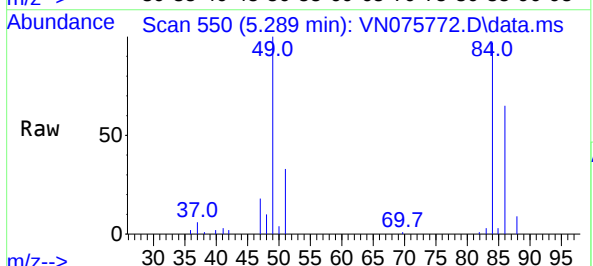
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

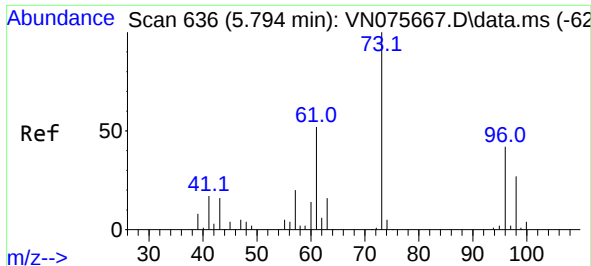
Tgt Ion: 73 Resp: 182913  
Ion Ratio Lower Upper  
73 100  
57 17.8 17.1 25.7



#20  
Methylene Chloride  
Concen: 18.263 ug/l  
RT: 5.289 min Scan# 550  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 84 Resp: 60721  
Ion Ratio Lower Upper  
84 100  
49 103.5 81.8 122.6  
51 33.7 26.7 40.1  
86 67.7 51.5 77.3

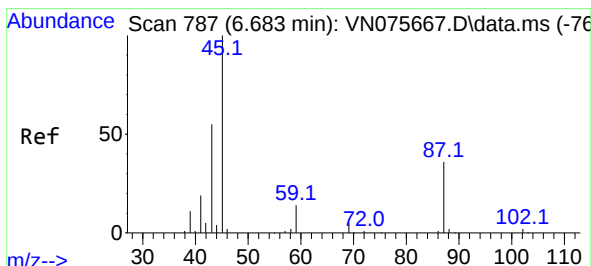
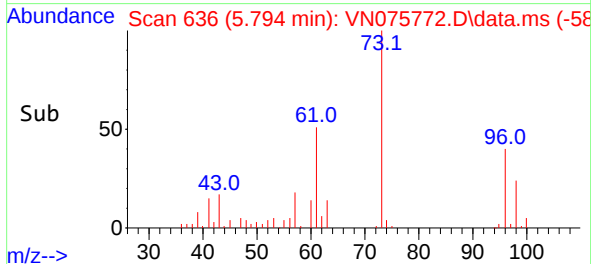
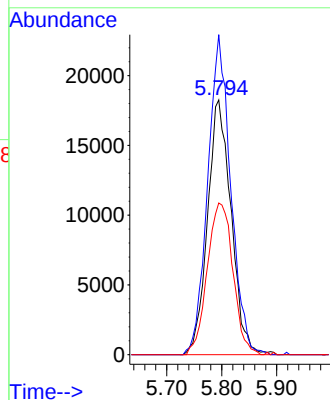
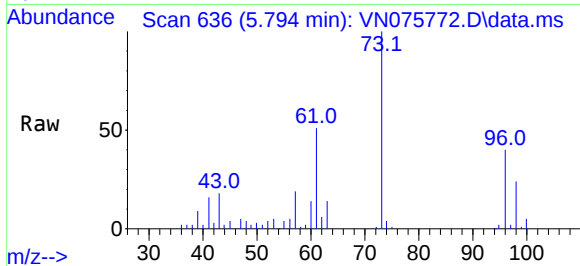




#21  
trans-1,2-Dichloroethene  
Concen: 17.323 ug/l  
RT: 5.794 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

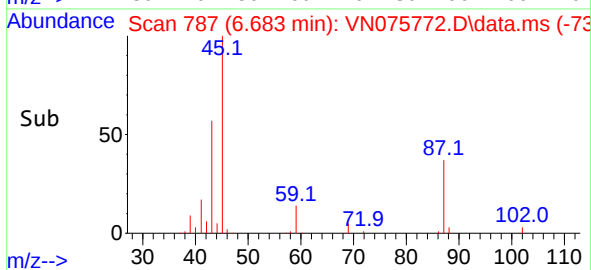
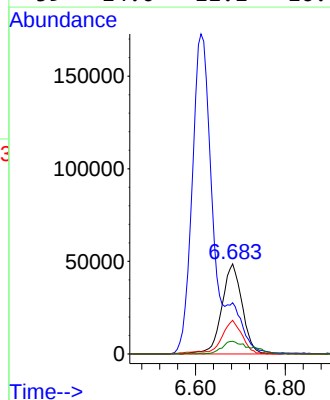
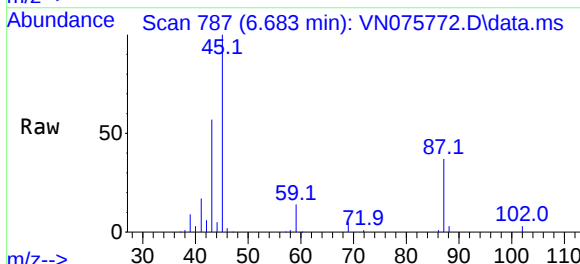
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

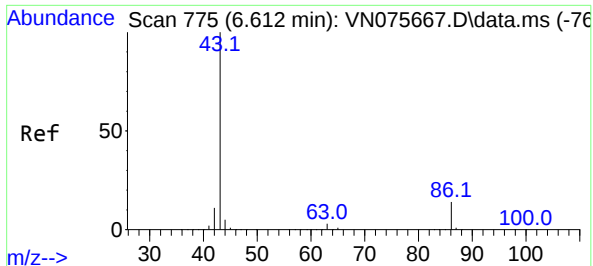
Tgt Ion: 96 Resp: 54509  
Ion Ratio Lower Upper  
96 100  
61 125.6 98.1 147.1  
98 59.5 51.4 77.2



#22  
Diisopropyl ether  
Concen: 18.777 ug/l  
RT: 6.683 min Scan# 787  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 45 Resp: 153212  
Ion Ratio Lower Upper  
45 100  
43 55.9 44.2 66.4  
87 37.3 28.3 42.5  
59 14.0 11.1 16.7

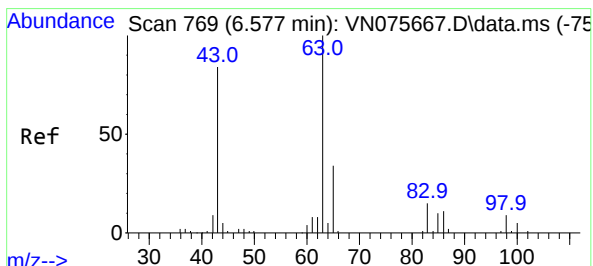
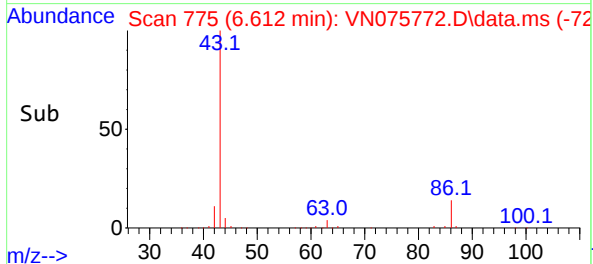
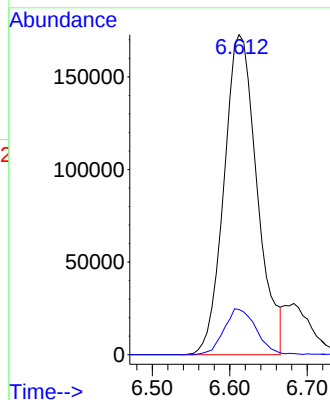
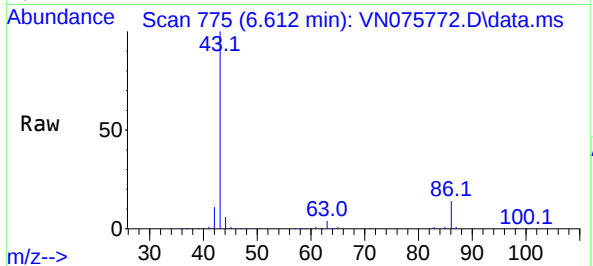




#23  
 Vinyl Acetate  
 Concen: 93.657 ug/l  
 RT: 6.612 min Scan# 775  
 Delta R.T. -0.000 min  
 Lab File: VN075772.D  
 Acq: 14 Dec 2022 16:03

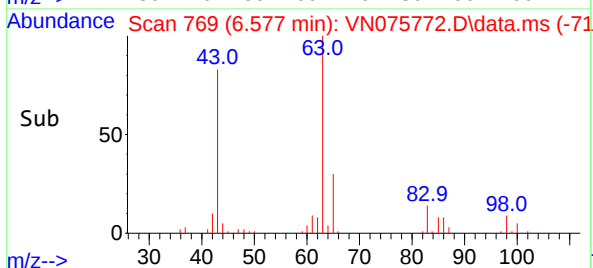
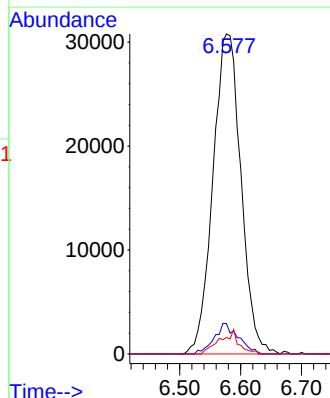
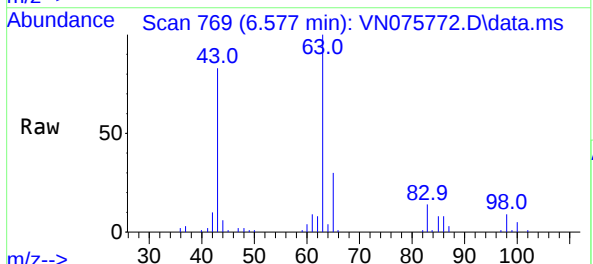
Instrument :  
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 ClientSampleId :  
 VN1214WBS01

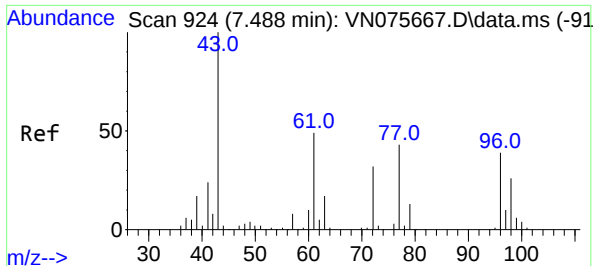
Tgt Ion: 43 Resp: 514360  
 Ion Ratio Lower Upper  
 43 100  
 86 14.1 11.4 17.2



#24  
 1,1-Dichloroethane  
 Concen: 18.046 ug/l  
 RT: 6.577 min Scan# 769  
 Delta R.T. 0.000 min  
 Lab File: VN075772.D  
 Acq: 14 Dec 2022 16:03

Tgt Ion: 63 Resp: 98203  
 Ion Ratio Lower Upper  
 63 100  
 98 9.5 3.9 11.5  
 100 5.2 2.5 7.6





#25

2-Butanone

Concen: 97.552 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN075772.D

Acq: 14 Dec 2022 16:03

Instrument :

MSVOA\_N

ClientSampleId :

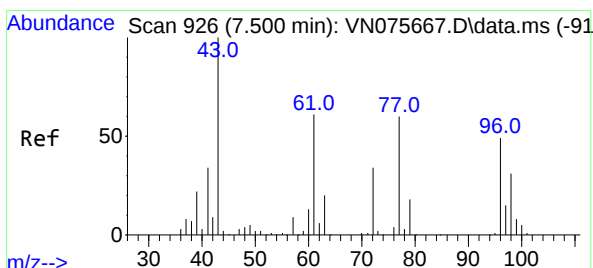
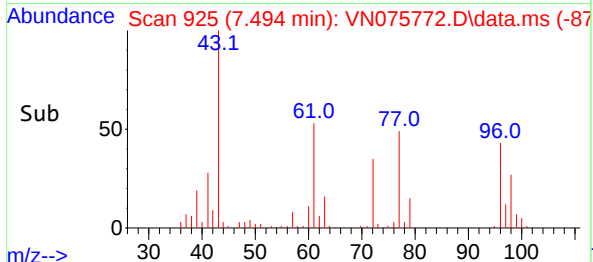
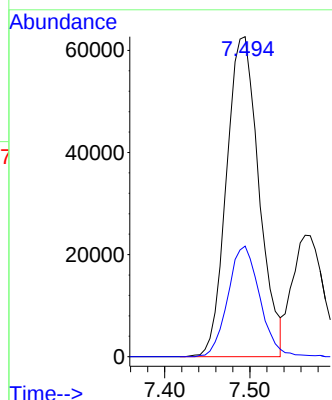
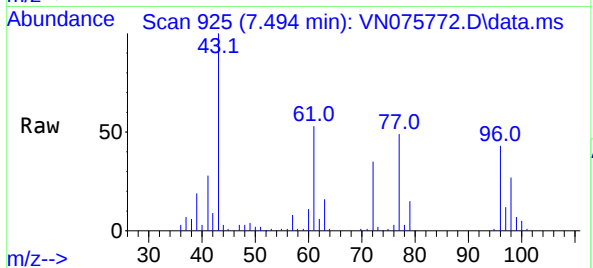
VN1214WBS01

Tgt Ion: 43 Resp: 166066

Ion Ratio Lower Upper

43 100

72 34.5 28.0 42.0



#26

2,2-Dichloropropane

Concen: 18.481 ug/l

RT: 7.494 min Scan# 925

Delta R.T. 0.000 min

Lab File: VN075772.D

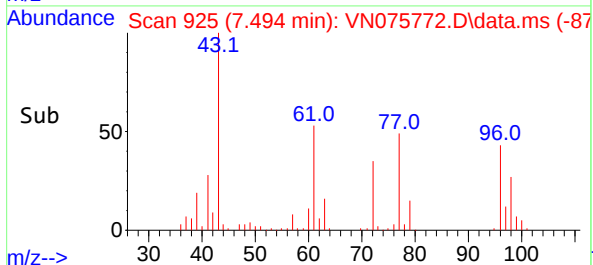
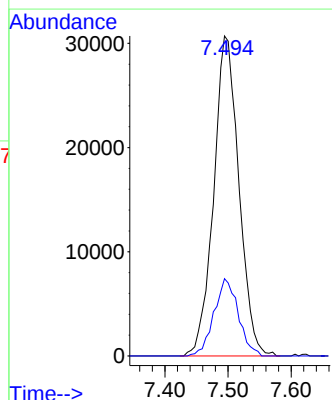
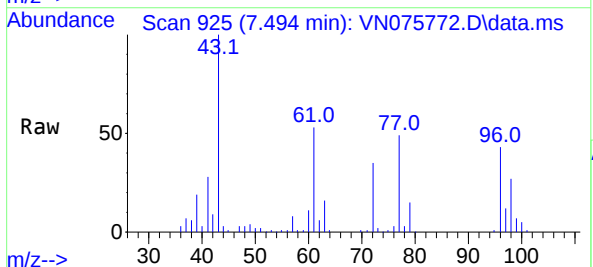
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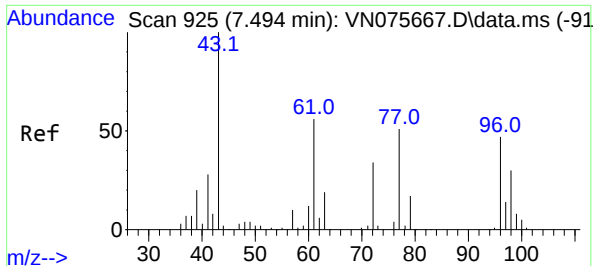
Tgt Ion: 77 Resp: 85169

Ion Ratio Lower Upper

77 100

97 23.3 12.7 38.0

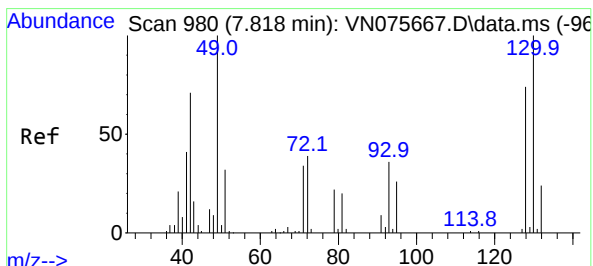
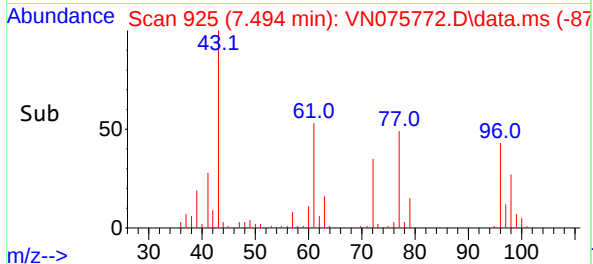
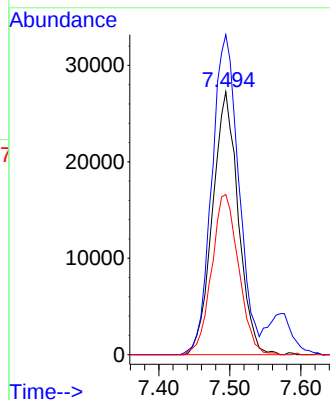
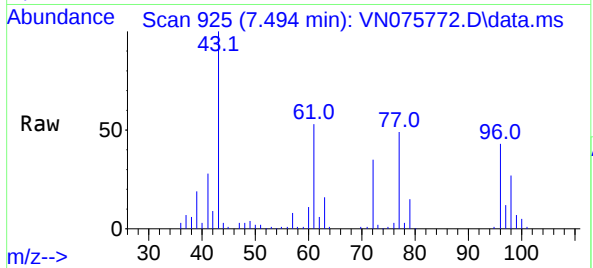




#27  
cis-1,2-Dichloroethene  
Concen: 18.201 ug/l  
RT: 7.494 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

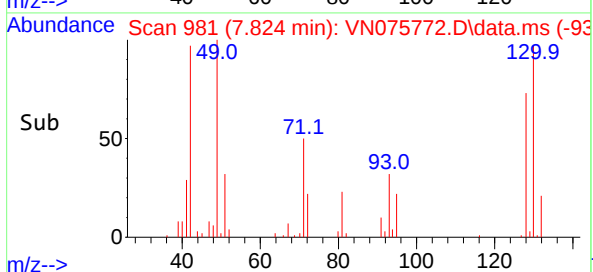
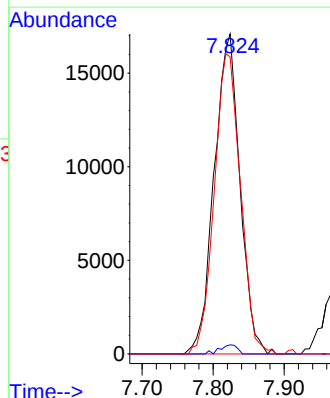
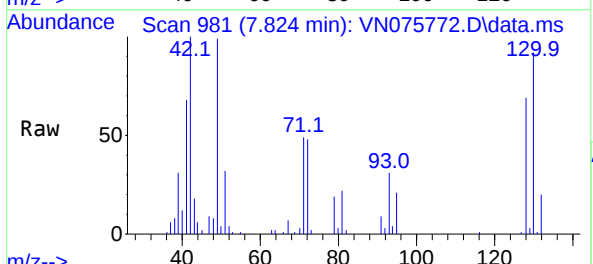
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MSVOA\_N  
ClientSampleId :  
VN1214WBS01

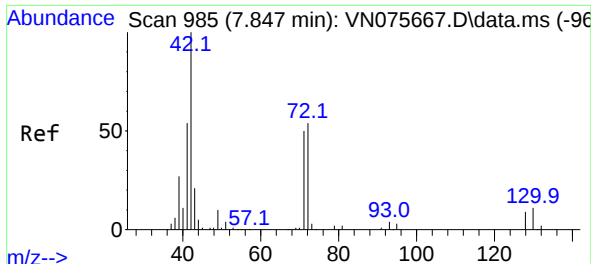
Tgt Ion: 96 Resp: 68497  
Ion Ratio Lower Upper  
96 100  
61 127.3 0.0 247.8  
98 64.0 0.0 128.4



#28  
Bromochloromethane  
Concen: 18.031 ug/l  
RT: 7.824 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 49 Resp: 43005  
Ion Ratio Lower Upper  
49 100  
129 1.9 0.0 5.0  
130 95.3 77.0 115.4

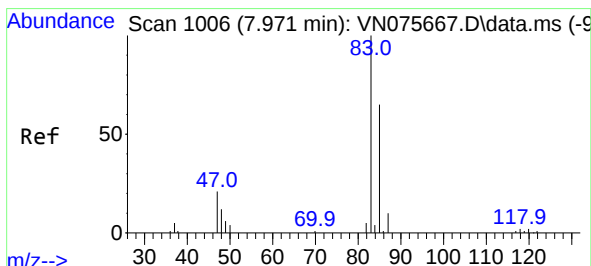
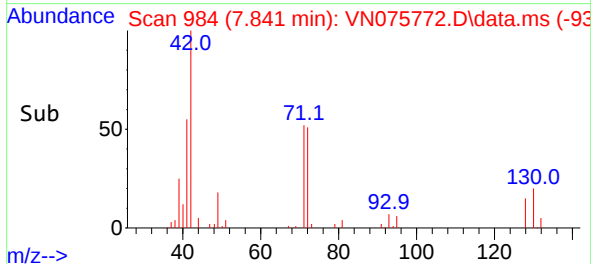
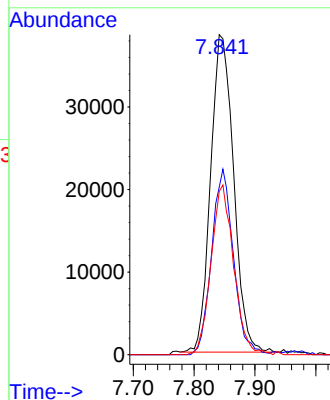
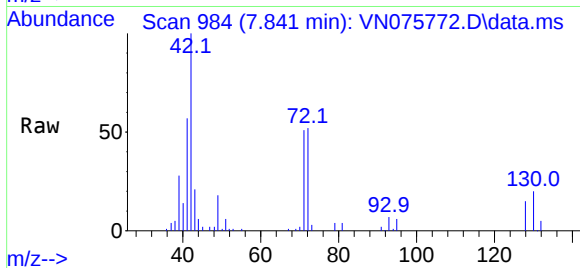




#29  
Tetrahydrofuran  
Concen: 94.643 ug/l  
RT: 7.841 min Scan# 984  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

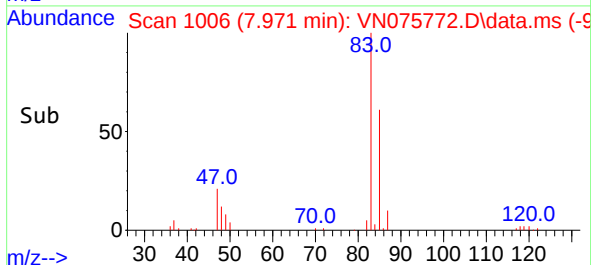
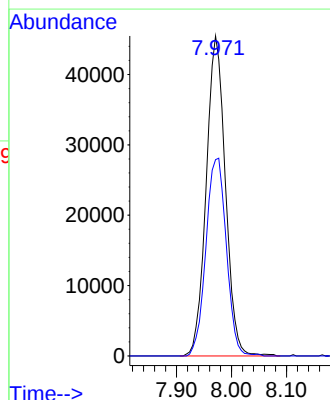
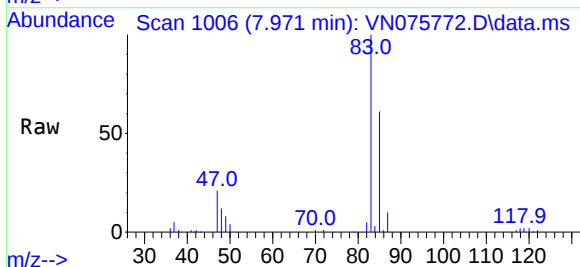
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MSVOA\_N  
ClientSampleId :  
VN1214WBS01

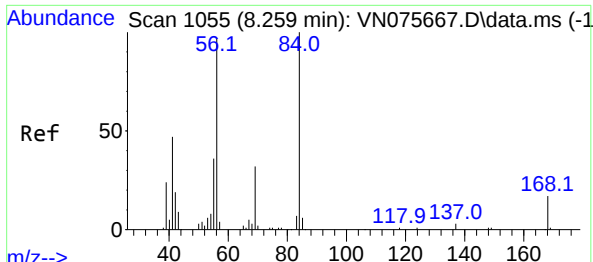
Tgt Ion: 42 Resp: 100966  
Ion Ratio Lower Upper  
42 100  
72 55.4 44.5 66.7  
71 52.5 41.0 61.6



#30  
Chloroform  
Concen: 18.000 ug/l  
RT: 7.971 min Scan# 1006  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 83 Resp: 110281  
Ion Ratio Lower Upper  
83 100  
85 61.3 49.1 73.7

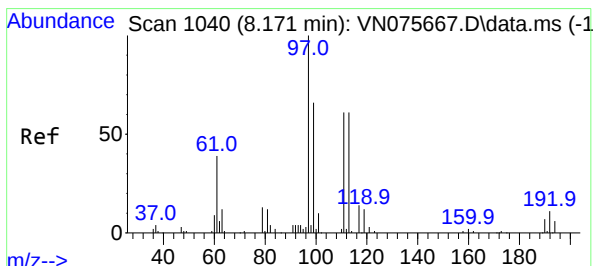
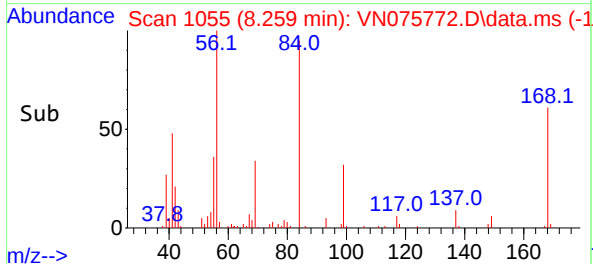
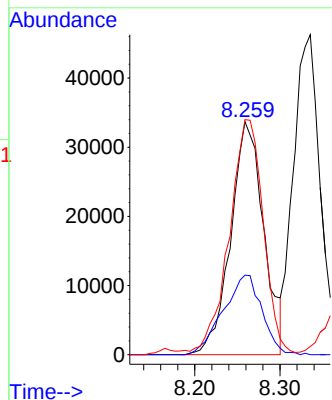
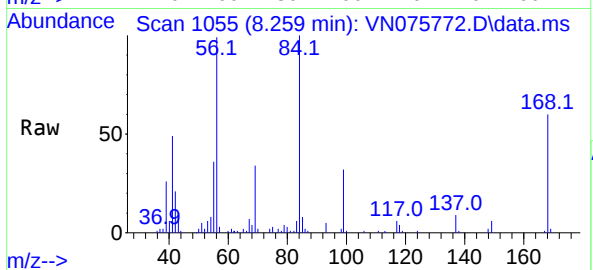




#31  
Cyclohexane  
Concen: 17.980 ug/l  
RT: 8.259 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

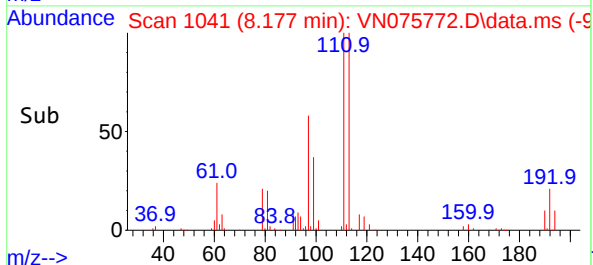
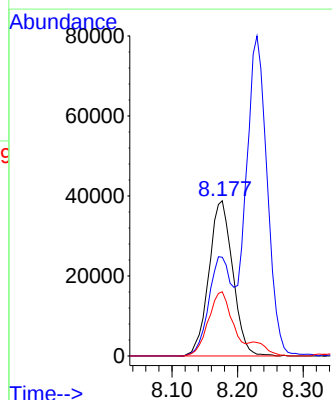
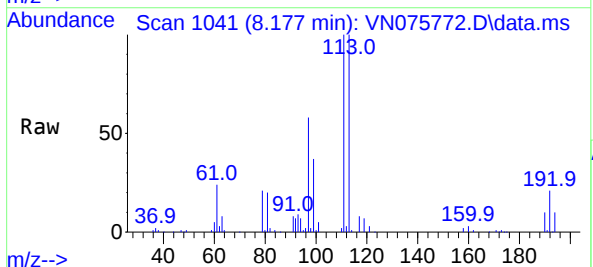
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

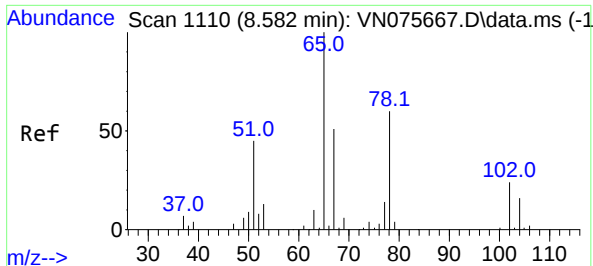
Tgt Ion: 56 Resp: 90820  
Ion Ratio Lower Upper  
56 100  
69 34.1 24.7 37.1  
84 99.3 76.5 114.7



#32  
1,1,1-Trichloroethane  
Concen: 18.023 ug/l  
RT: 8.177 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 97 Resp: 97896  
Ion Ratio Lower Upper  
97 100  
99 60.9 50.2 75.2  
61 42.0 34.5 51.7

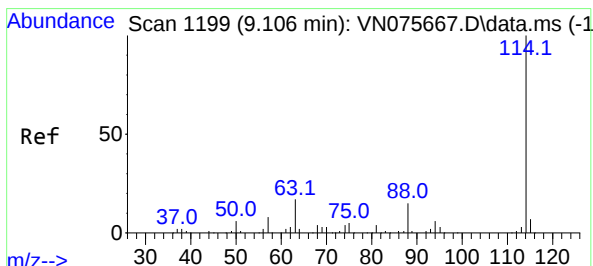
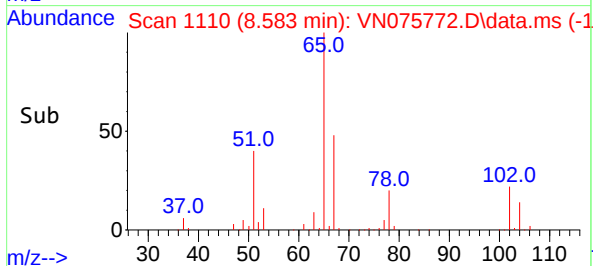
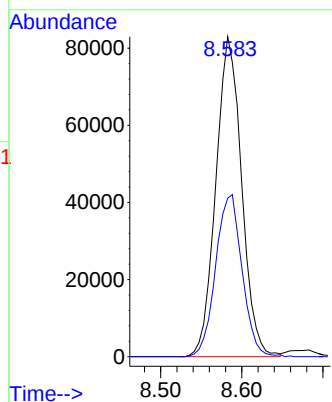
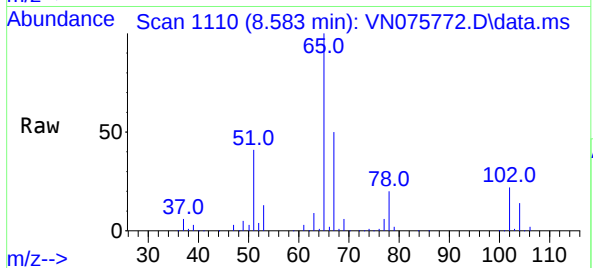




#33  
1,2-Dichloroethane-d4  
Concen: 51.890 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

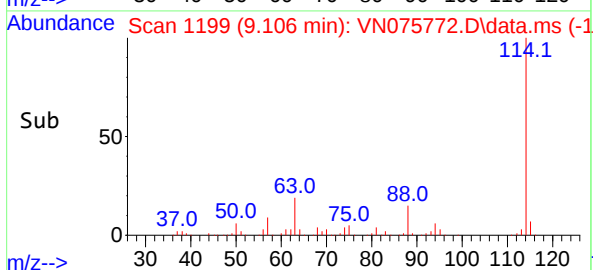
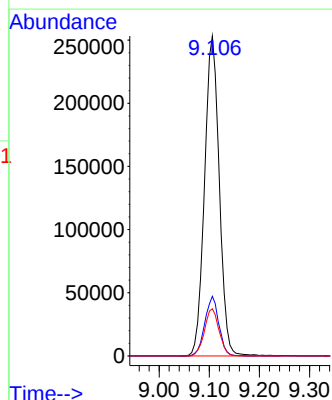
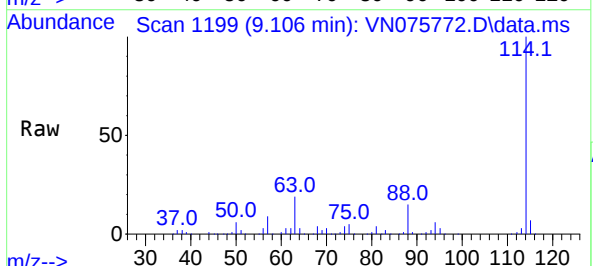
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

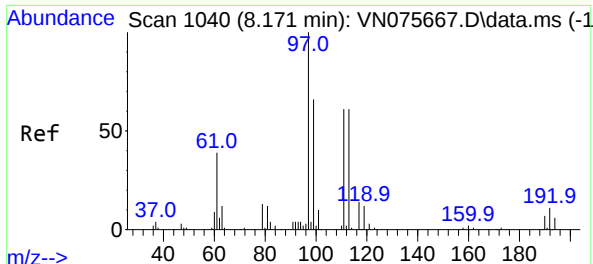
Tgt Ion: 65 Resp: 183012  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1199  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 114 Resp: 517994  
Ion Ratio Lower Upper  
114 100  
63 18.7 0.0 34.4  
88 14.7 0.0 28.8

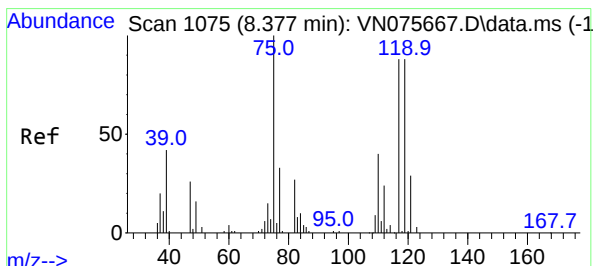
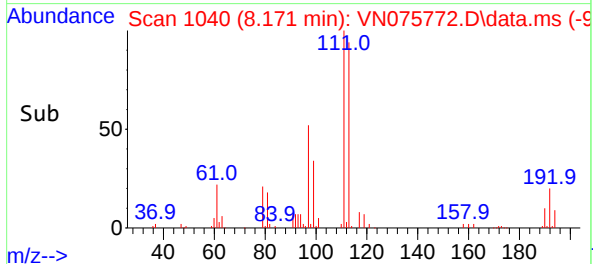
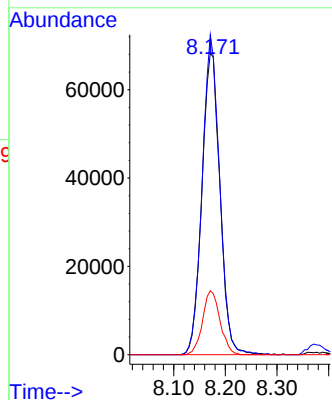
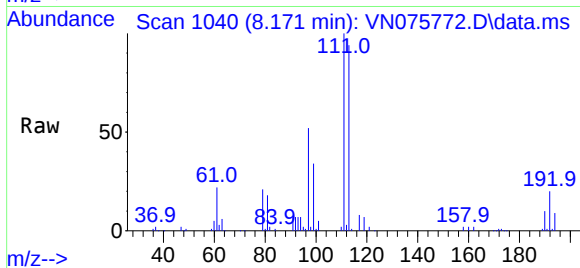




#35  
Dibromofluoromethane  
Concen: 51.796 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

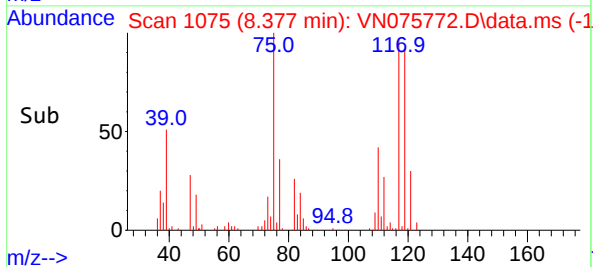
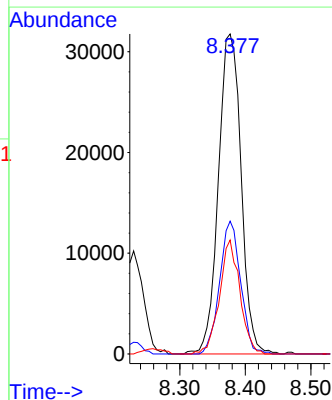
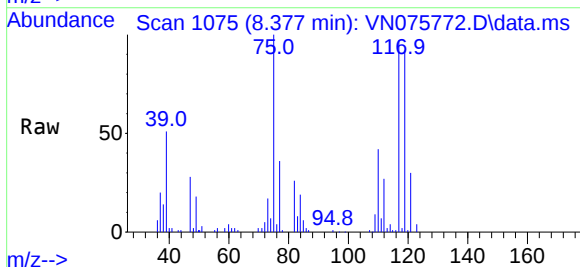
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ClientSampleId :  
VN1214WBS01

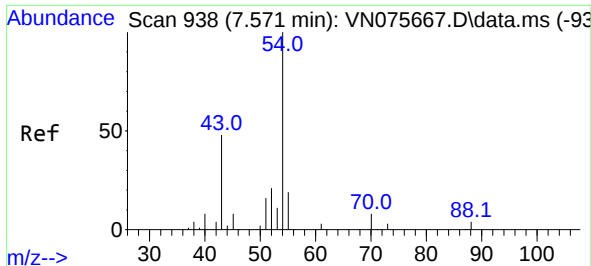
Tgt Ion:113 Resp: 166156  
Ion Ratio Lower Upper  
113 100  
111 101.9 83.4 125.2  
192 20.4 16.1 24.1



#36  
1,1-Dichloropropene  
Concen: 17.917 ug/l  
RT: 8.377 min Scan# 1075  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 75 Resp: 76352  
Ion Ratio Lower Upper  
75 100  
110 38.4 18.8 56.4  
77 32.0 24.1 36.1





#37

Ethyl Acetate

Concen: 19.006 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN075772.D

Acq: 14 Dec 2022 16:03

Instrument :

MSVOA\_N

ClientSampleId :

VN1214WBS01

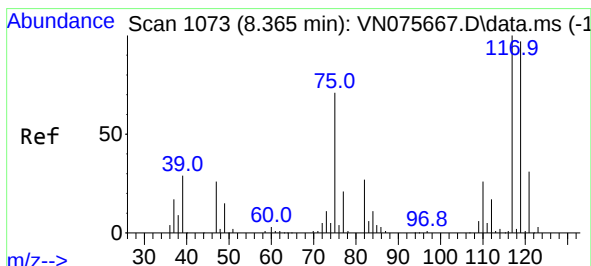
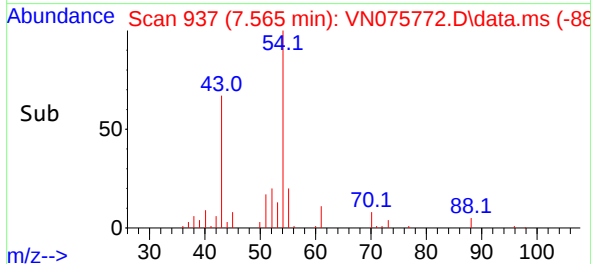
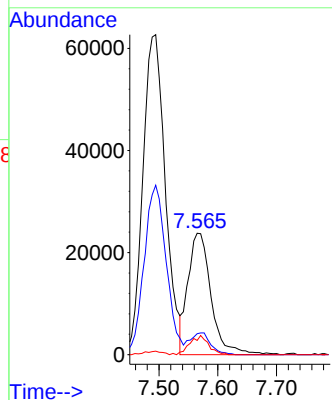
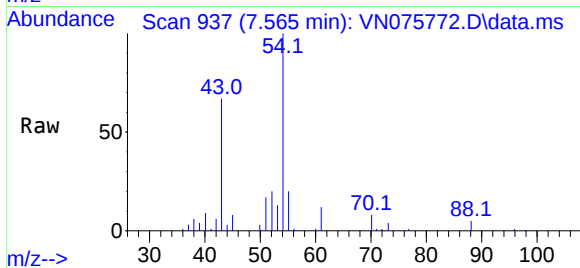
Tgt Ion: 43 Resp: 65056

Ion Ratio Lower Upper

43 100

61 16.2 13.0 19.4

70 12.8 9.4 14.0



#38

Carbon Tetrachloride

Concen: 18.206 ug/l

RT: 8.371 min Scan# 1074

Delta R.T. 0.006 min

Lab File: VN075772.D

Acq: 14 Dec 2022 16:03

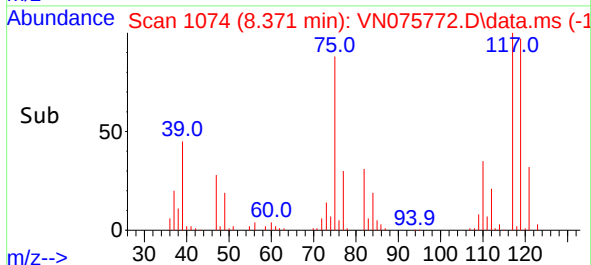
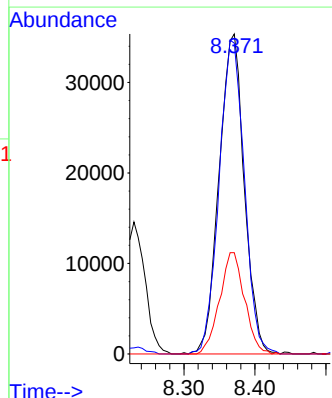
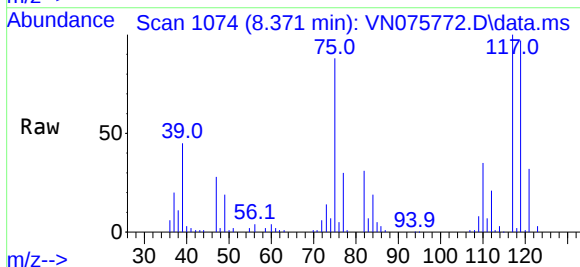
Tgt Ion: 117 Resp: 86831

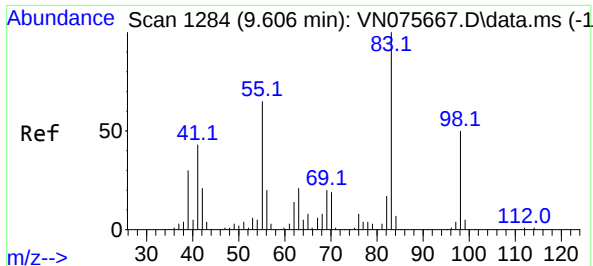
Ion Ratio Lower Upper

117 100

119 97.1 76.1 114.1

121 31.7 24.5 36.7

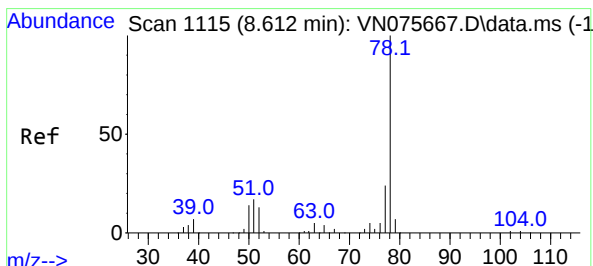
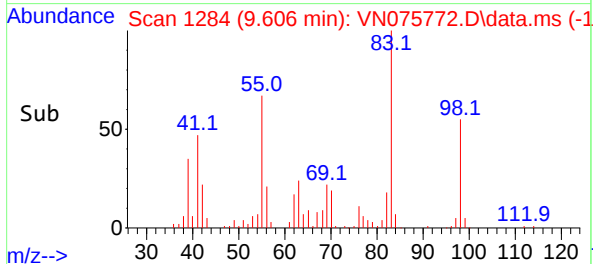
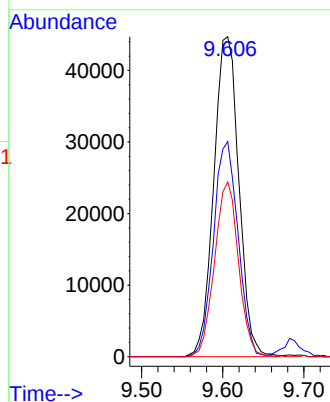
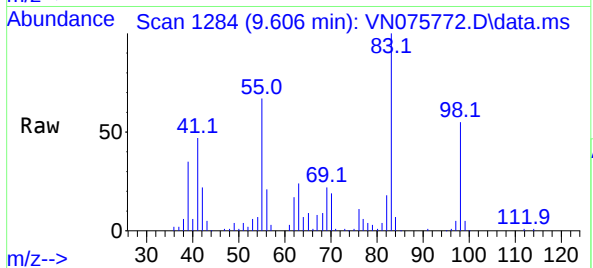




#39  
Methylcyclohexane  
Concen: 18.667 ug/l  
RT: 9.606 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

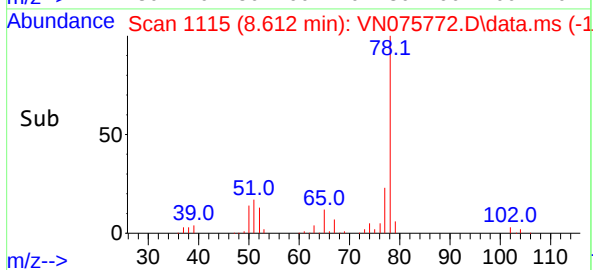
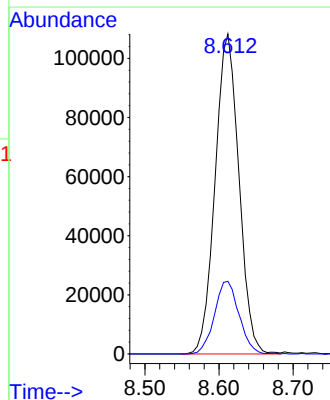
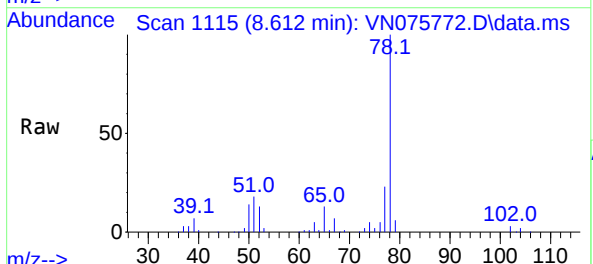
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MSVOA\_N  
ClientSampleId :  
VN1214WBS01

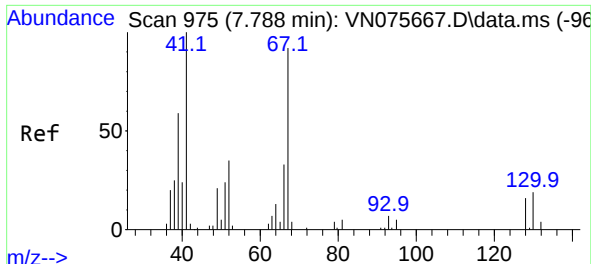
Tgt Ion: 83 Resp: 95966  
Ion Ratio Lower Upper  
83 100  
55 67.3 51.4 77.0  
98 54.7 39.8 59.8



#40  
Benzene  
Concen: 18.360 ug/l  
RT: 8.612 min Scan# 1115  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 78 Resp: 241396  
Ion Ratio Lower Upper  
78 100  
77 22.7 18.5 27.7



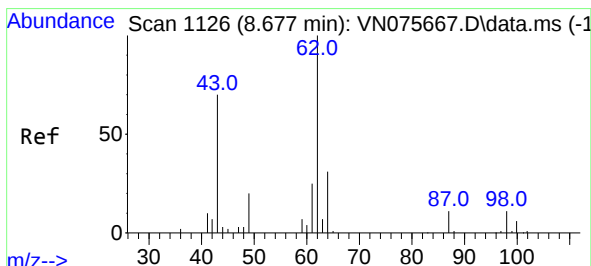
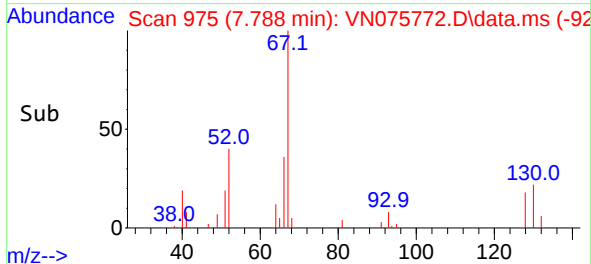
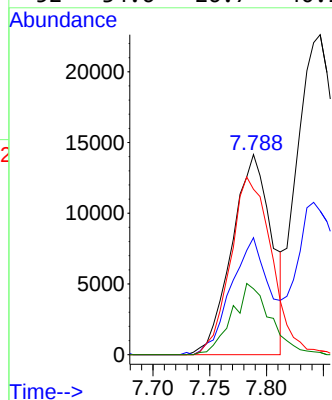
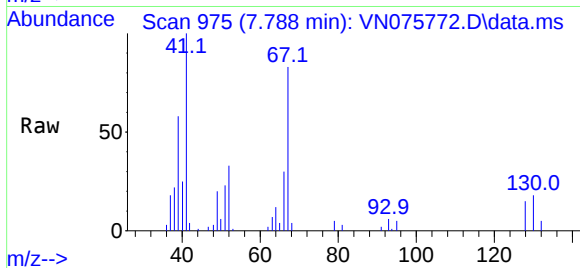


#41  
Methacrylonitrile  
Concen: 19.296 ug/l  
RT: 7.788 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

Tgt Ion: 41 Resp: 34331

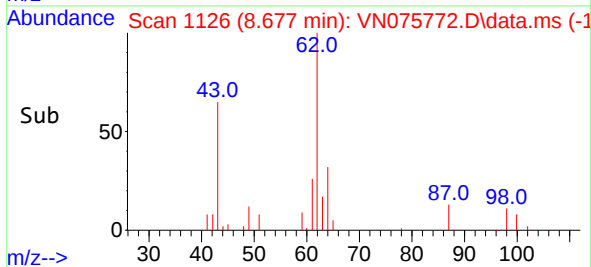
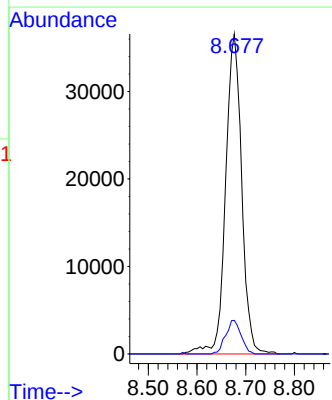
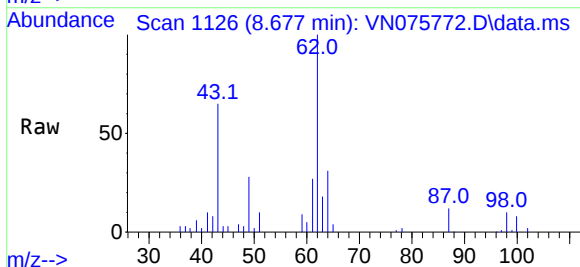
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 57.1  | 43.1  | 64.7  |
| 67  | 92.7  | 70.7  | 106.1 |
| 52  | 34.6  | 26.7  | 40.1  |

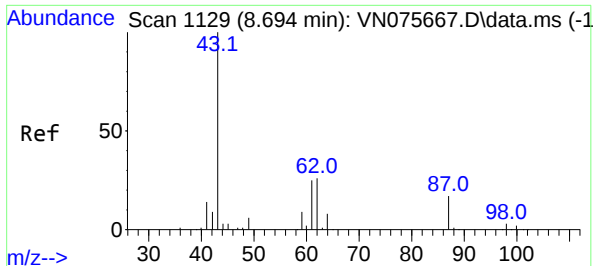


#42  
1,2-Dichloroethane  
Concen: 19.228 ug/l  
RT: 8.677 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 62 Resp: 84045

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.1  | 0.0   | 20.8  |

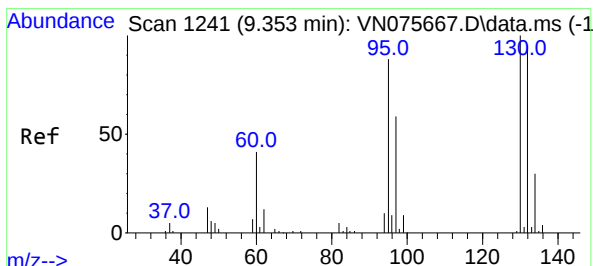
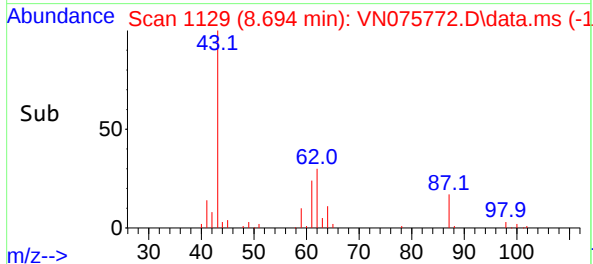
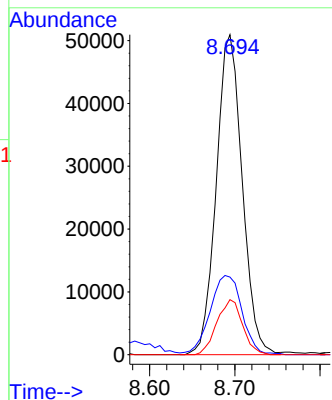
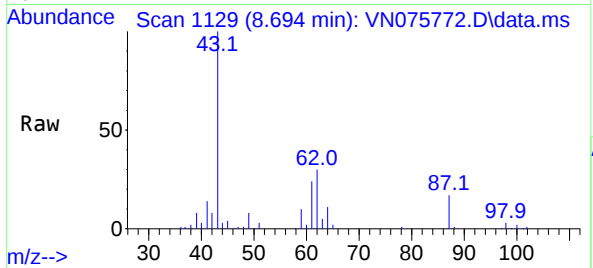




#43  
Isopropyl Acetate  
Concen: 19.117 ug/l  
RT: 8.694 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

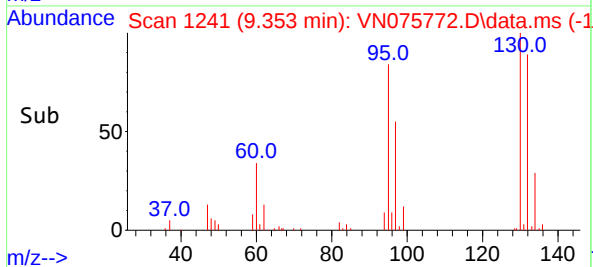
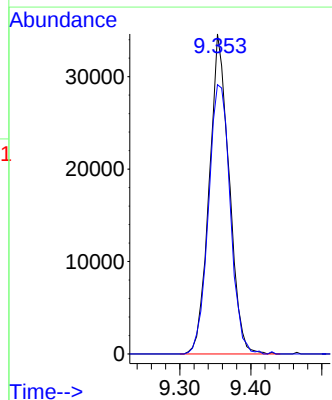
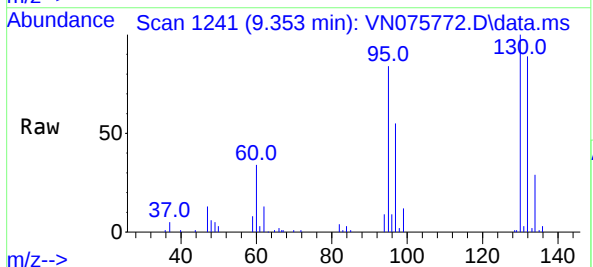
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

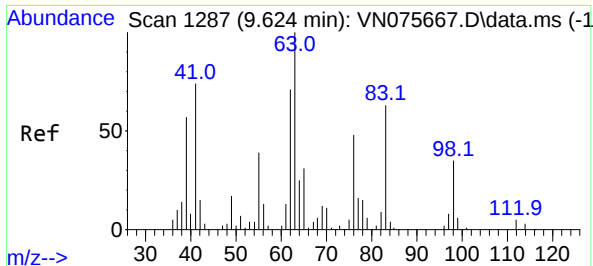
Tgt Ion: 43 Resp: 107938  
Ion Ratio Lower Upper  
43 100  
61 30.4 24.2 36.4  
87 17.0 13.3 19.9



#44  
Trichloroethene  
Concen: 18.173 ug/l  
RT: 9.353 min Scan# 1241  
Delta R.T. -0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 130 Resp: 67310  
Ion Ratio Lower Upper  
130 100  
95 84.1 0.0 195.4

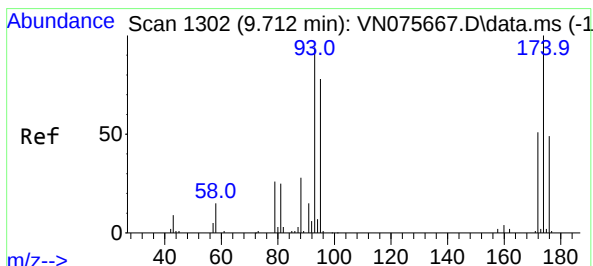
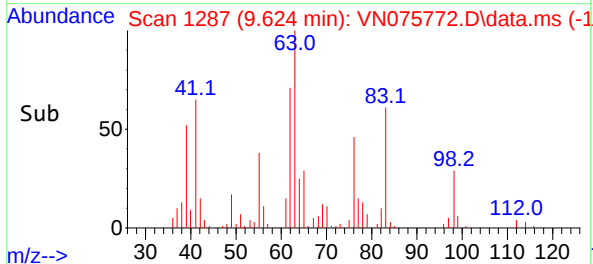
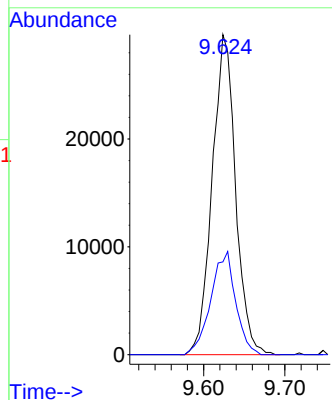
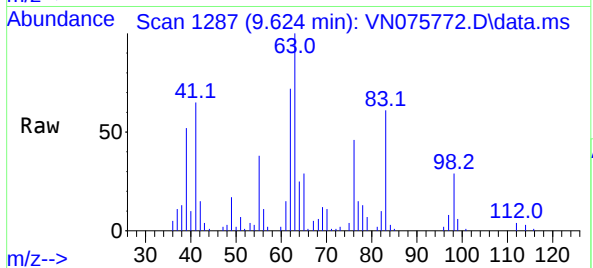




#45  
1,2-Dichloropropane  
Concen: 18.562 ug/l  
RT: 9.624 min Scan# 1287  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

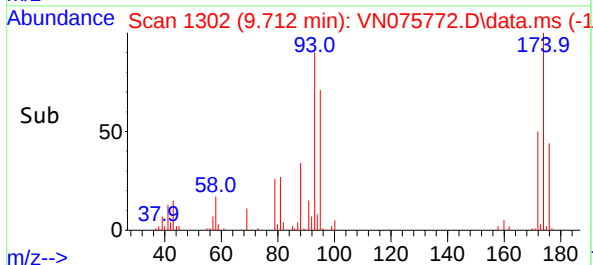
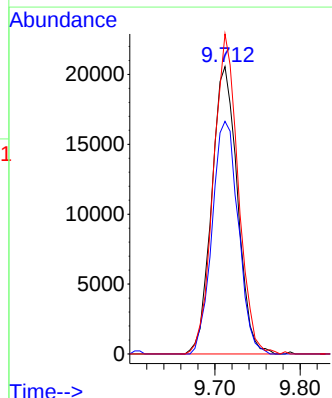
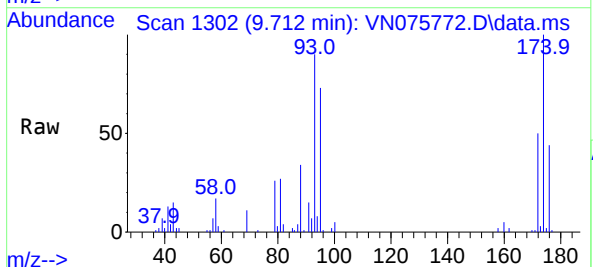
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

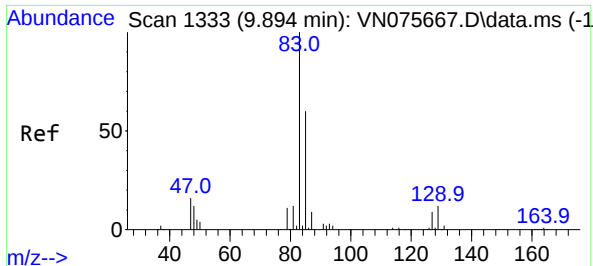
Tgt Ion: 63 Resp: 59387  
Ion Ratio Lower Upper  
63 100  
65 29.0 25.7 38.5



#46  
Dibromomethane  
Concen: 18.144 ug/l  
RT: 9.712 min Scan# 1302  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 93 Resp: 43056  
Ion Ratio Lower Upper  
93 100  
95 82.5 65.2 97.8  
174 107.6 82.4 123.6

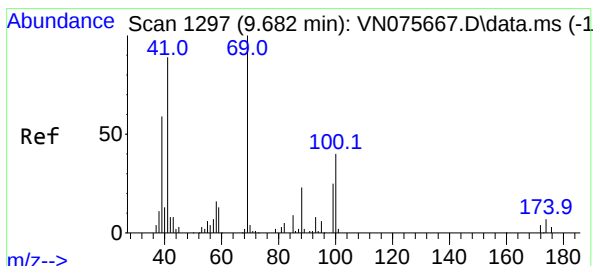
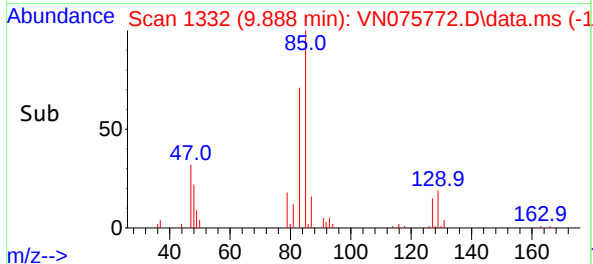
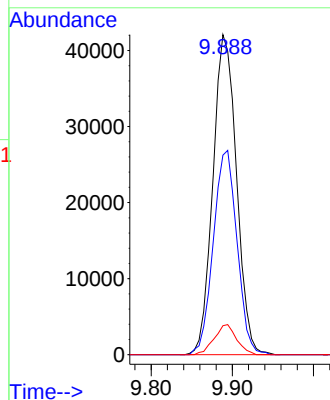
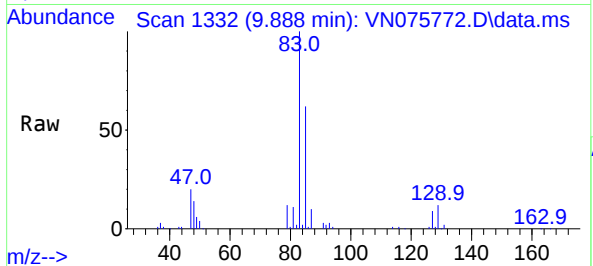




#47  
Bromodichloromethane  
Concen: 18.283 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

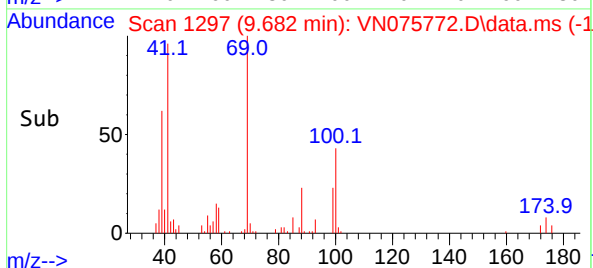
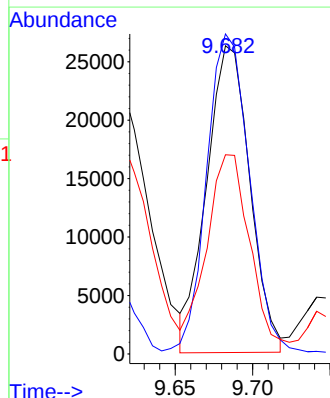
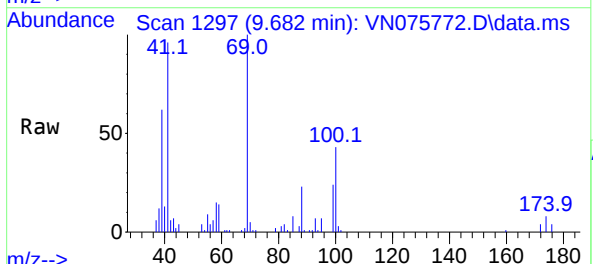
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

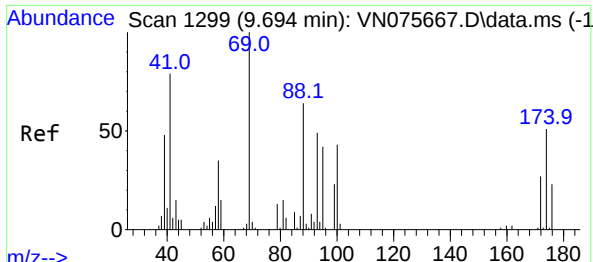
Tgt Ion: 83 Resp: 85083  
Ion Ratio Lower Upper  
83 100  
85 62.4 51.5 77.3  
127 9.0 6.6 10.0



#48  
Methyl methacrylate  
Concen: 20.043 ug/l  
RT: 9.682 min Scan# 1297  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 41 Resp: 50970  
Ion Ratio Lower Upper  
41 100  
69 104.0 81.9 122.9  
39 66.1 51.6 77.4

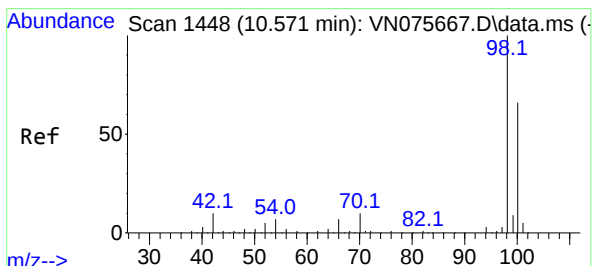
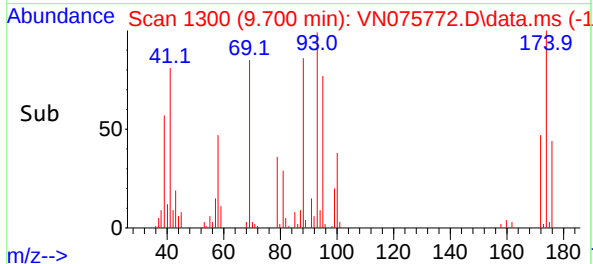
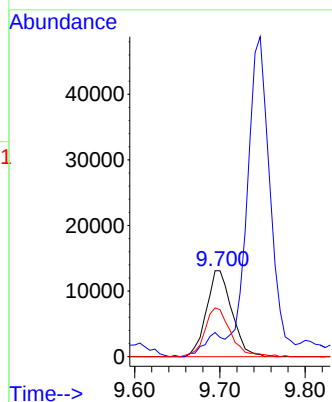
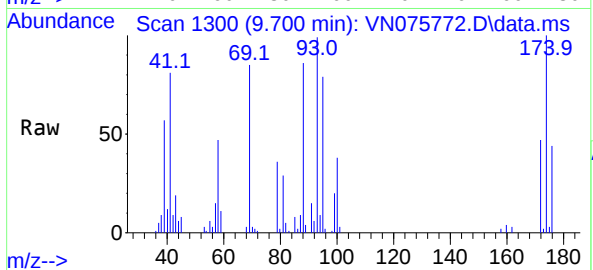




#49  
1,4-Dioxane  
Concen: 434.346 ug/l  
RT: 9.700 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

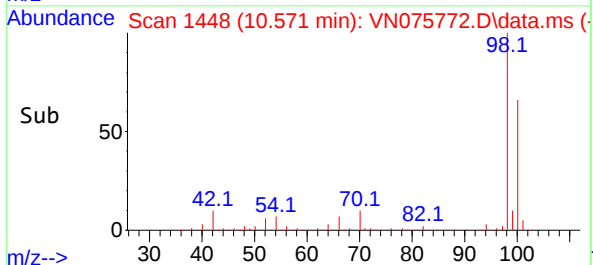
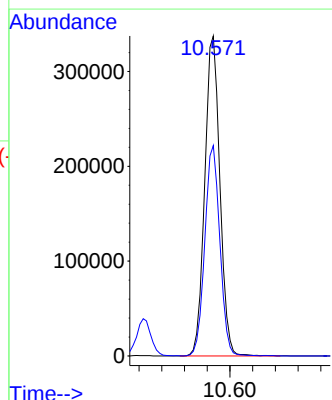
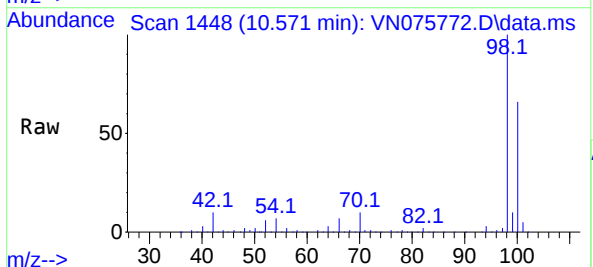
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

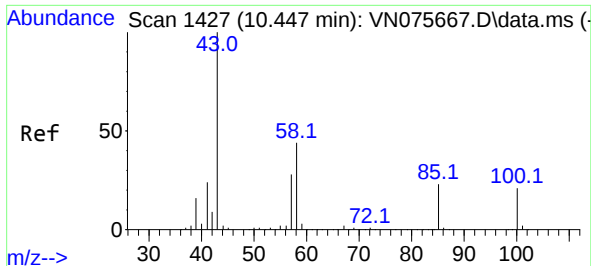
Tgt Ion: 88 Resp: 27155  
Ion Ratio Lower Upper  
88 100  
43 21.8 17.1 25.7  
58 58.1 47.8 71.8



#50  
Toluene-d8  
Concen: 51.850 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 98 Resp: 621883  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.1 78.1

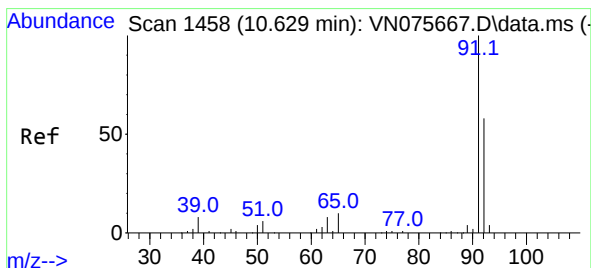
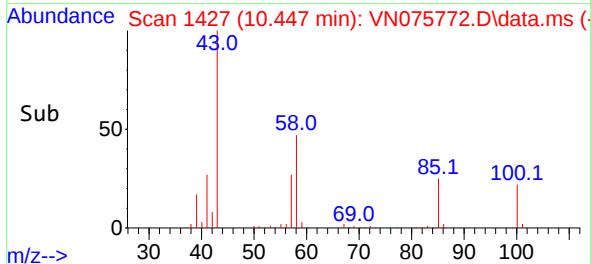
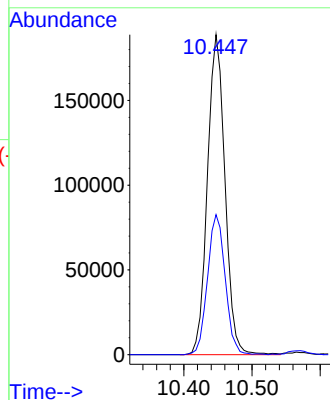
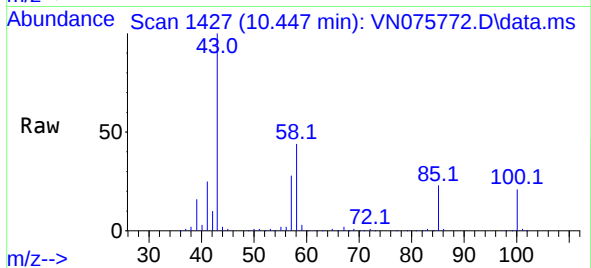




#51  
4-Methyl-2-Pentanone  
Concen: 98.880 ug/l  
RT: 10.447 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

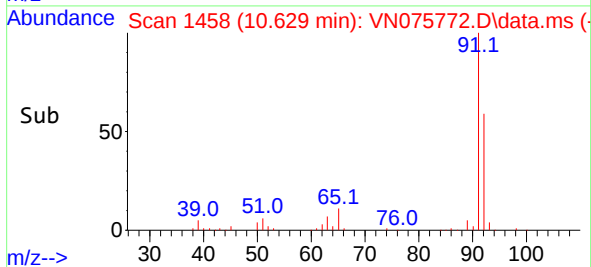
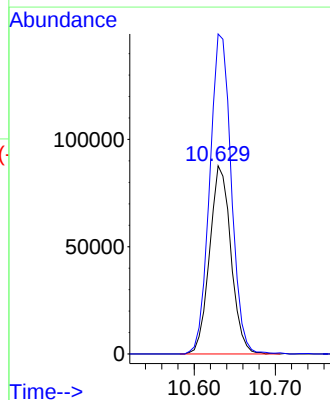
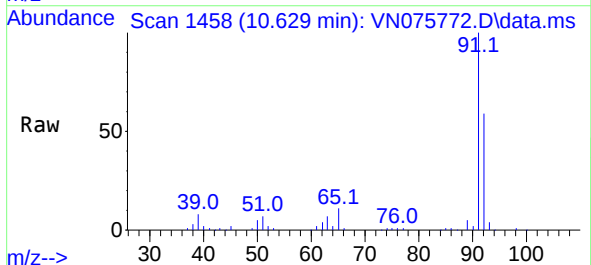
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

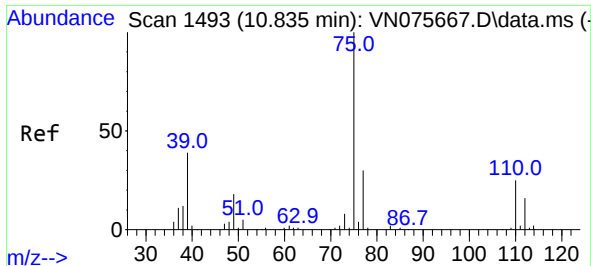
Tgt Ion: 43 Resp: 337642  
Ion Ratio Lower Upper  
43 100  
58 44.2 35.5 53.3



#52  
Toluene  
Concen: 18.684 ug/l  
RT: 10.629 min Scan# 1458  
Delta R.T. -0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 92 Resp: 159987  
Ion Ratio Lower Upper  
92 100  
91 171.9 137.3 205.9

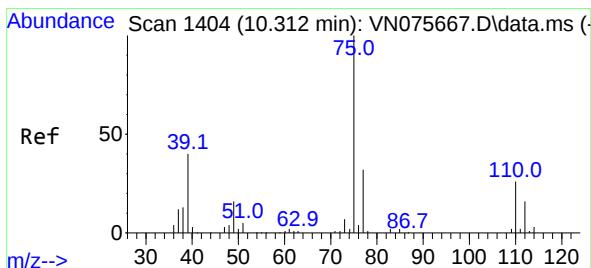
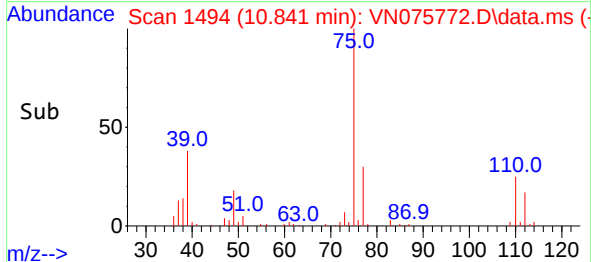
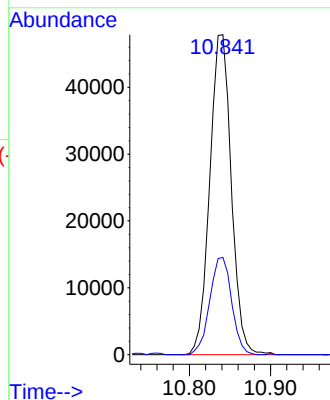
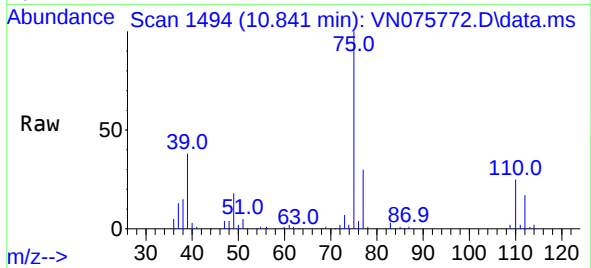




#53  
t-1,3-Dichloropropene  
Concen: 19.353 ug/l  
RT: 10.841 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

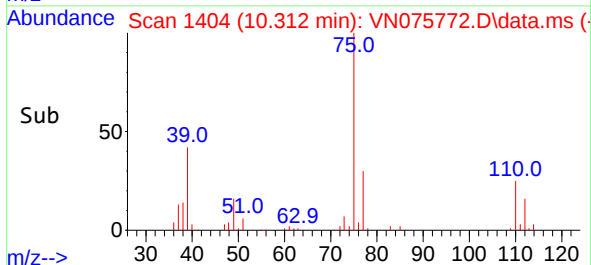
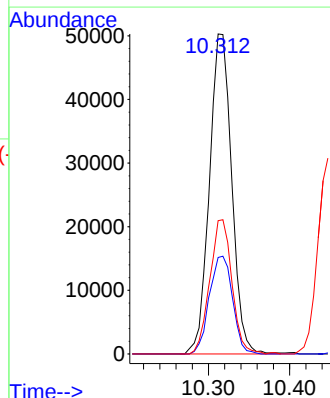
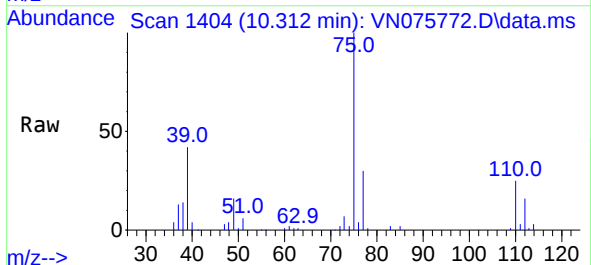
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

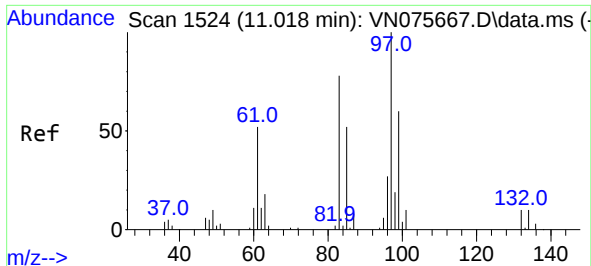
Tgt Ion: 75 Resp: 88160  
Ion Ratio Lower Upper  
75 100  
77 30.4 24.9 37.3



#54  
cis-1,3-Dichloropropene  
Concen: 19.173 ug/l  
RT: 10.312 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 75 Resp: 95894  
Ion Ratio Lower Upper  
75 100  
77 30.1 25.8 38.8  
39 41.7 33.4 50.2

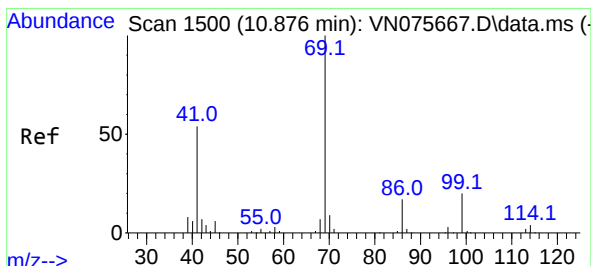
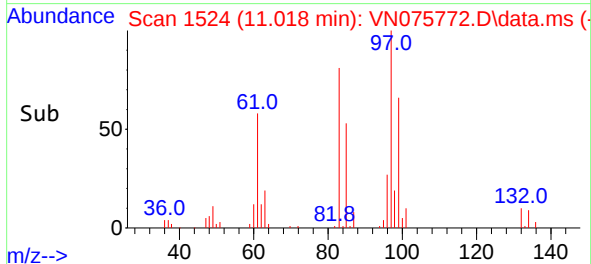
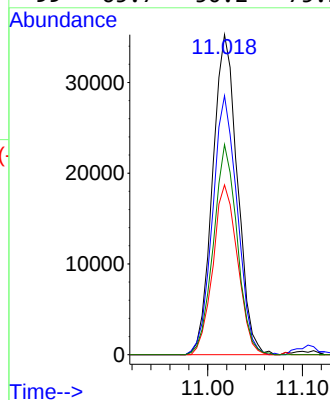
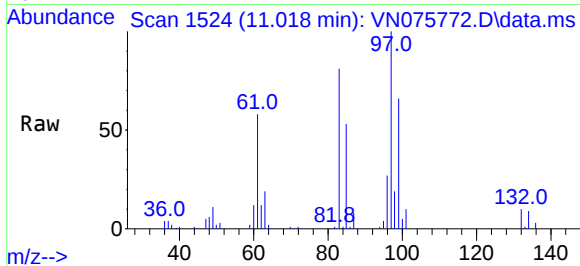




#55  
1,1,2-Trichloroethane  
Concen: 19.062 ug/l  
RT: 11.018 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

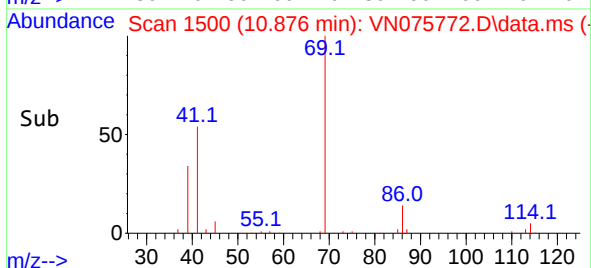
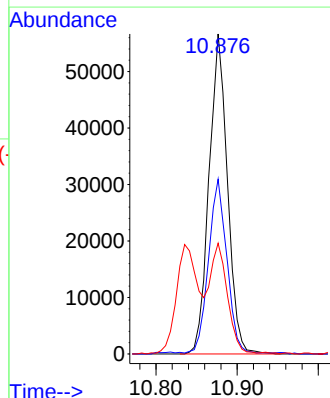
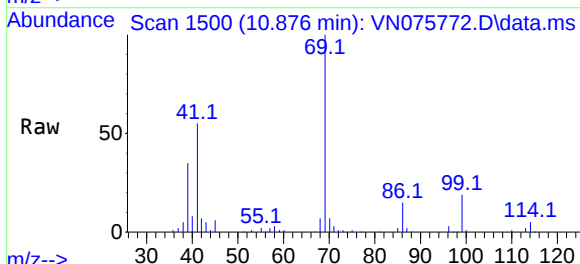
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

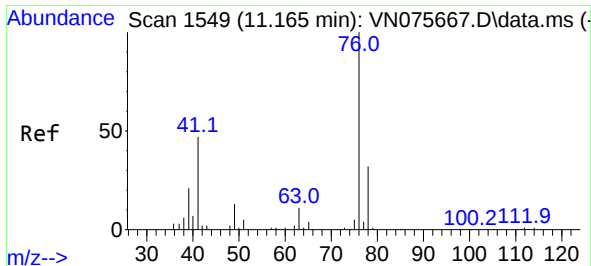
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 64065 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 80.9     | 65.0 97.4   |
| 85 53.0     | 43.0 64.6   |
| 99 65.7     | 50.2 75.2   |



#56  
Ethyl methacrylate  
Concen: 19.964 ug/l  
RT: 10.876 min Scan# 1500  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 89123 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 53.9     | 44.2 66.4   |
| 39 32.5     | 26.4 39.6   |





#57

1,3-Dichloropropane

Concen: 19.174 ug/l

RT: 11.165 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN075772.D

Acq: 14 Dec 2022 16:03

Instrument :

MSVOA\_N

ClientSampleId :

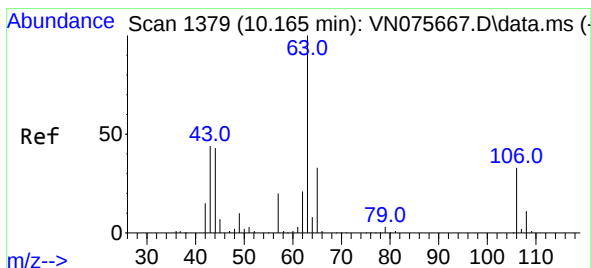
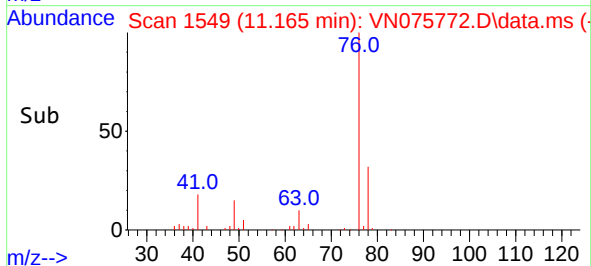
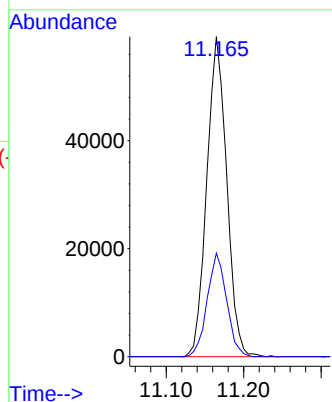
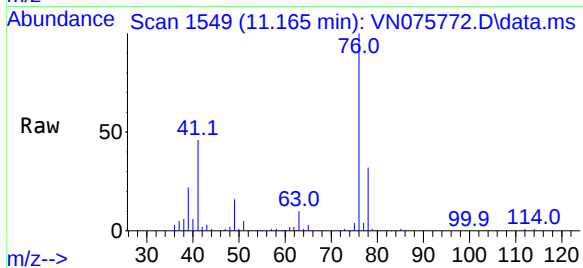
VN1214WBS01

Tgt Ion: 76 Resp: 105704

Ion Ratio Lower Upper

76 100

78 31.6 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 80.650 ug/l

RT: 10.159 min Scan# 1378

Delta R.T. -0.006 min

Lab File: VN075772.D

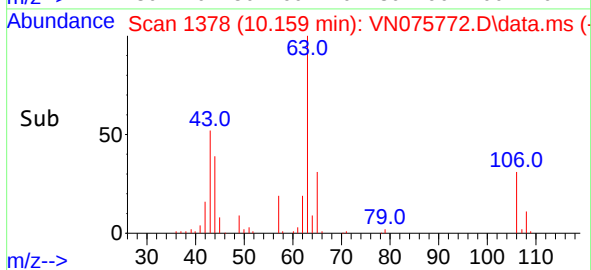
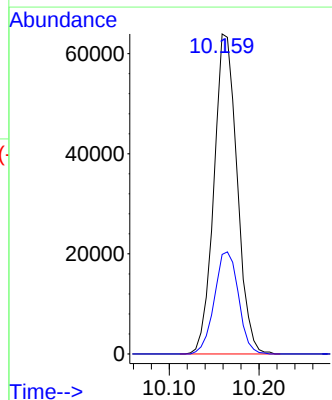
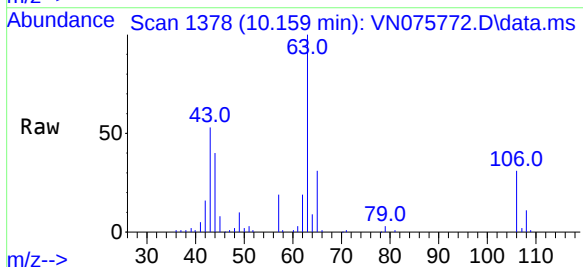
Acq: 14 Dec 2022 16:03

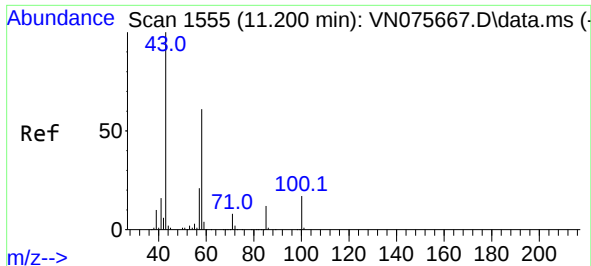
Tgt Ion: 63 Resp: 114630

Ion Ratio Lower Upper

63 100

106 33.1 26.4 39.6

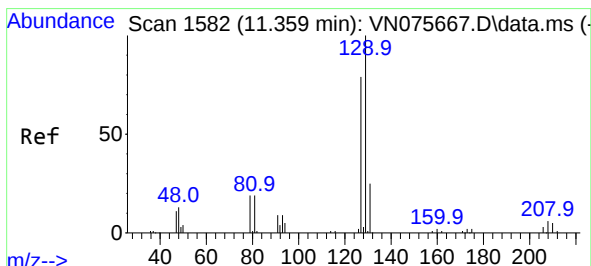
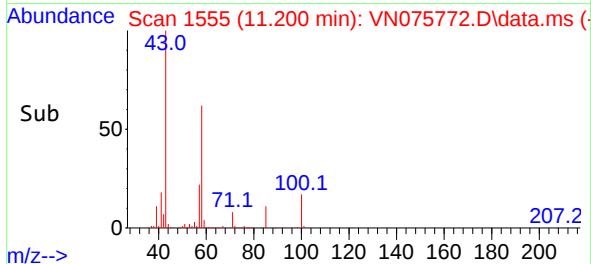
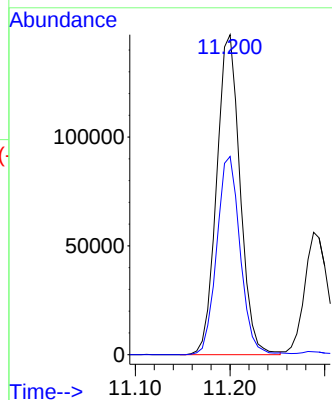
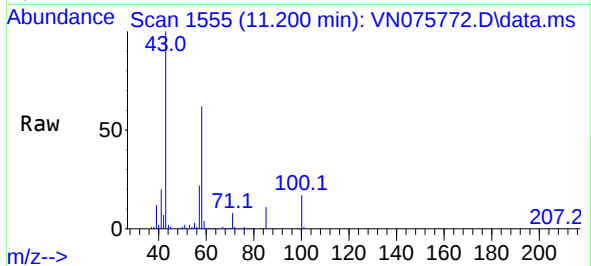




#59  
2-Hexanone  
Concen: 101.429 ug/l  
RT: 11.200 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

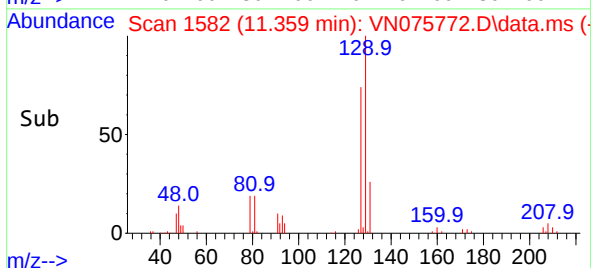
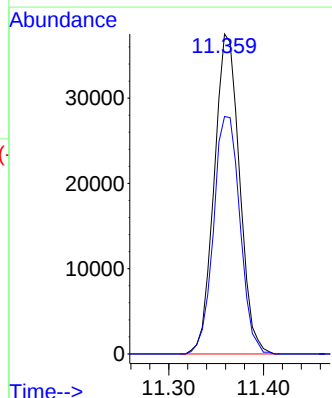
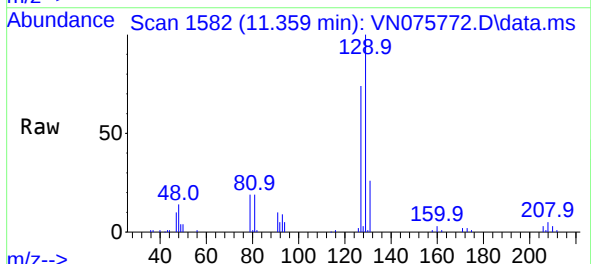
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

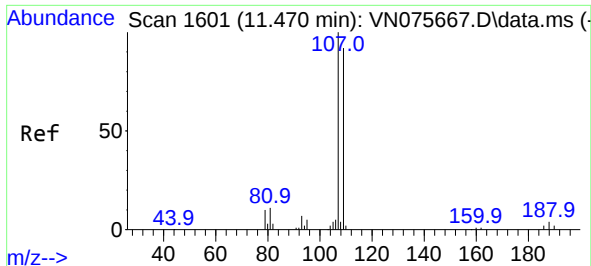
Tgt Ion: 43 Resp: 252579  
Ion Ratio Lower Upper  
43 100  
58 62.0 30.6 92.0



#60  
Dibromochloromethane  
Concen: 18.688 ug/l  
RT: 11.359 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 129 Resp: 69850  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.3 114.9

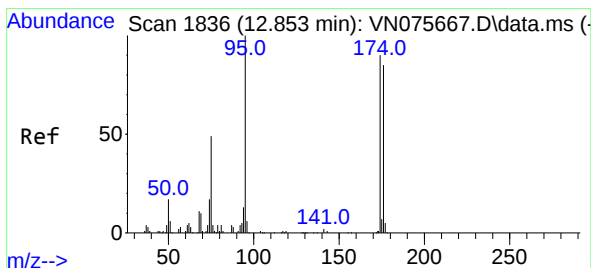
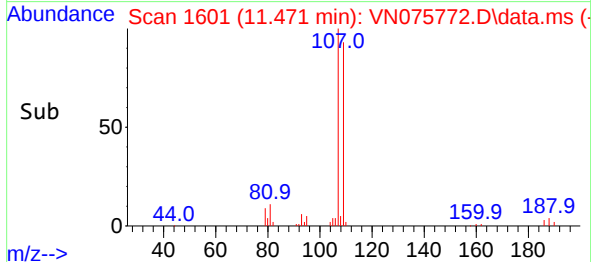
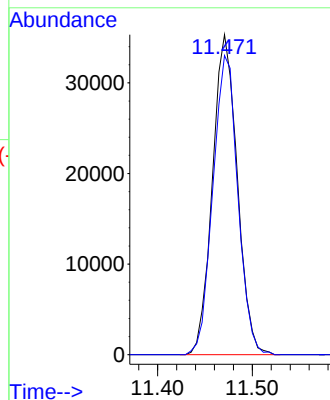
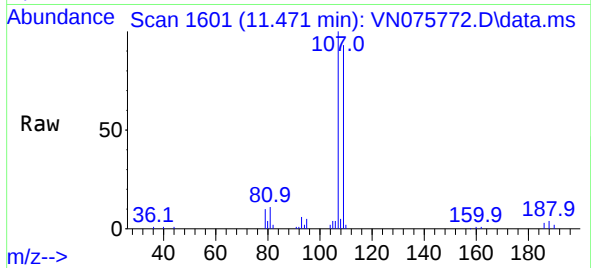




#61  
1,2-Dibromoethane  
Concen: 18.862 ug/l  
RT: 11.471 min Scan# 1601  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

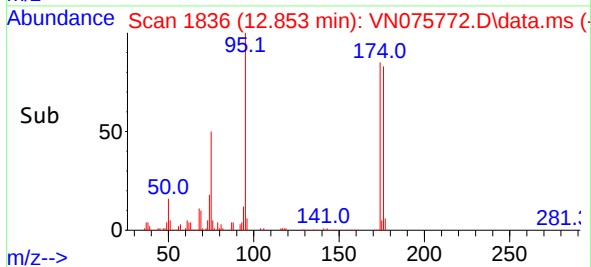
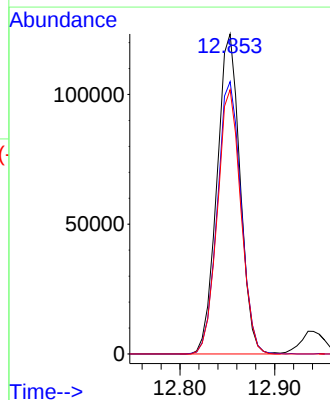
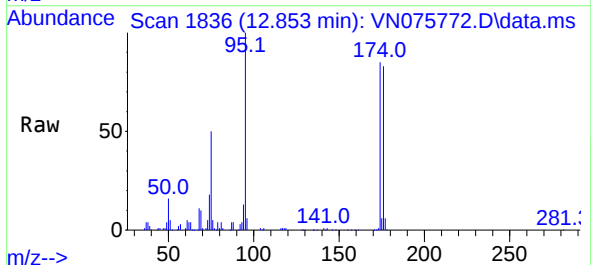
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

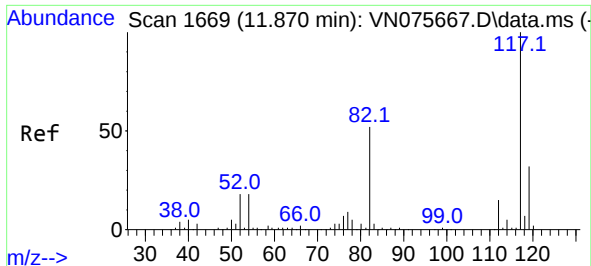
Tgt Ion:107 Resp: 64153  
Ion Ratio Lower Upper  
107 100  
109 94.2 74.8 112.2



#62  
4-Bromofluorobenzene  
Concen: 52.619 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 95 Resp: 209028  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 171.6  
176 83.7 0.0 169.2

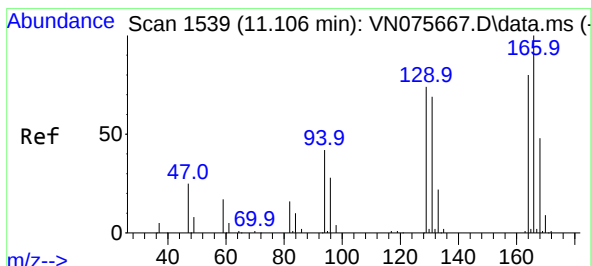
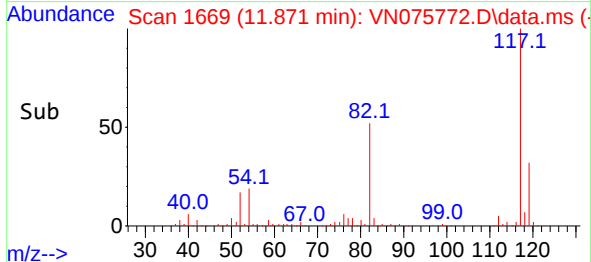
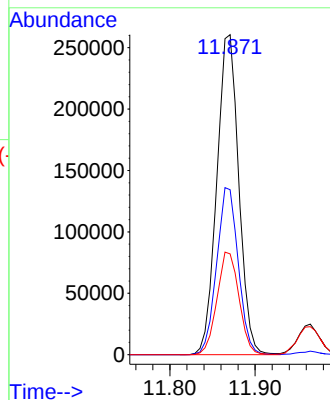
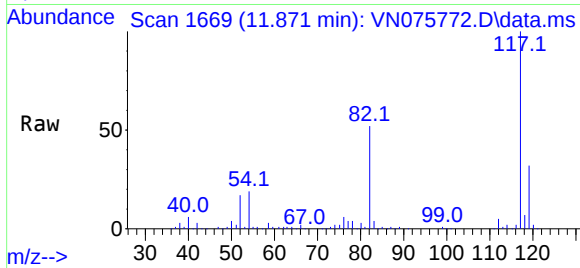




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

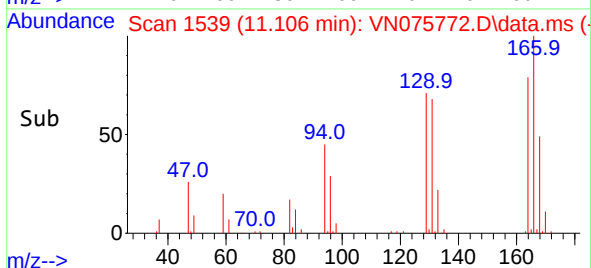
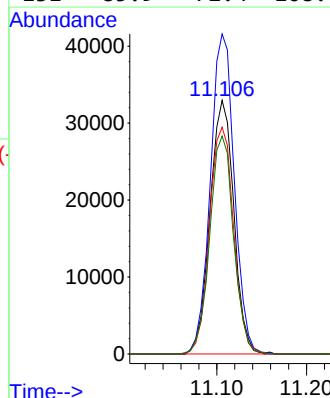
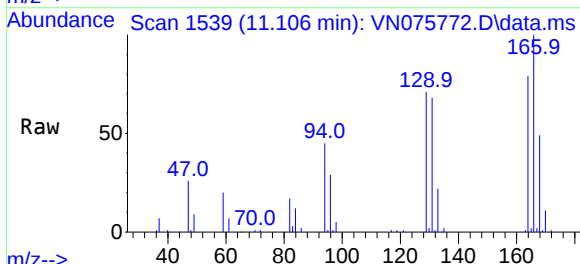
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

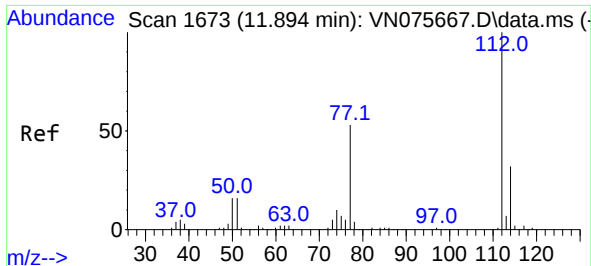
Tgt Ion:117 Resp: 467263  
Ion Ratio Lower Upper  
117 100  
82 51.6 41.3 61.9  
119 31.5 24.6 37.0



#64  
Tetrachloroethene  
Concen: 18.504 ug/l  
RT: 11.106 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion:164 Resp: 60842  
Ion Ratio Lower Upper  
164 100  
166 126.2 101.9 152.9  
129 89.4 74.2 111.2  
131 85.9 72.4 108.6

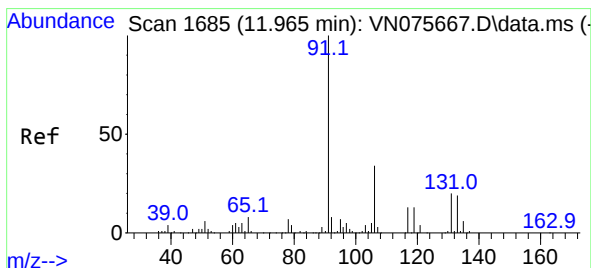
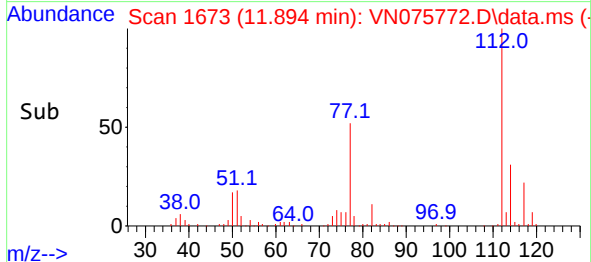
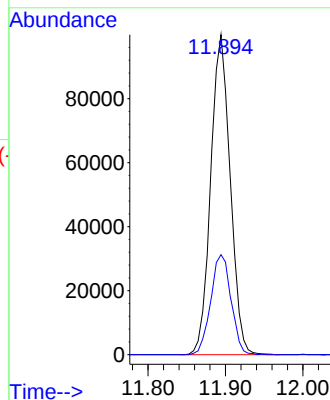
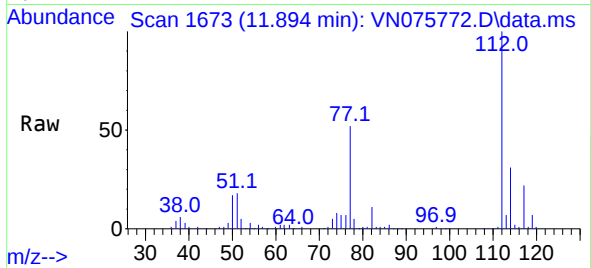




#65  
Chlorobenzene  
Concen: 18.217 ug/l  
RT: 11.894 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

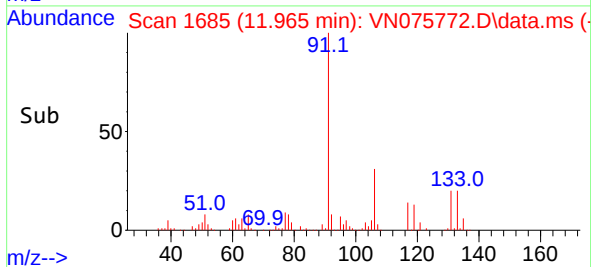
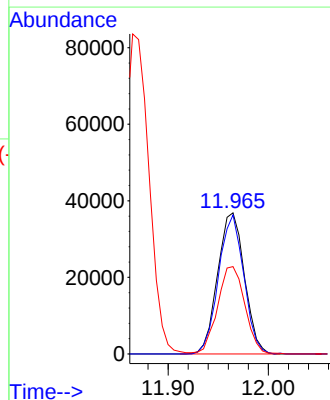
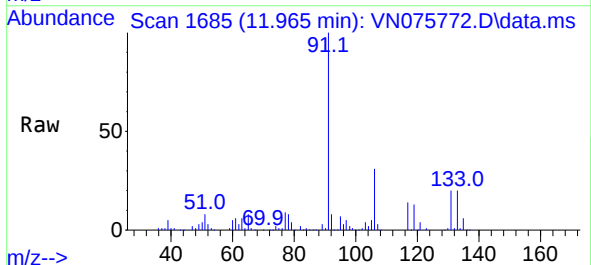
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

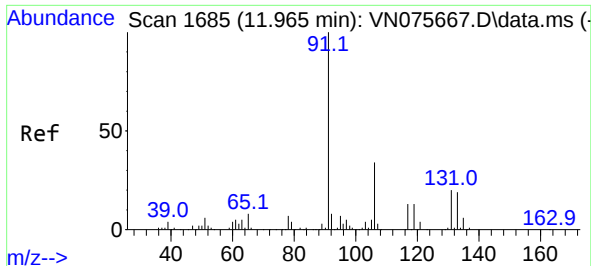
Tgt Ion:112 Resp: 174710  
Ion Ratio Lower Upper  
112 100  
114 31.2 24.7 37.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.203 ug/l  
RT: 11.965 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion:131 Resp: 68215  
Ion Ratio Lower Upper  
131 100  
133 92.9 47.5 142.5  
119 63.4 31.9 95.7





#67

Ethyl Benzene

Concen: 18.865 ug/l

RT: 11.965 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN075772.D

Acq: 14 Dec 2022 16:03

Instrument :

MSVOA\_N

ClientSampleId :

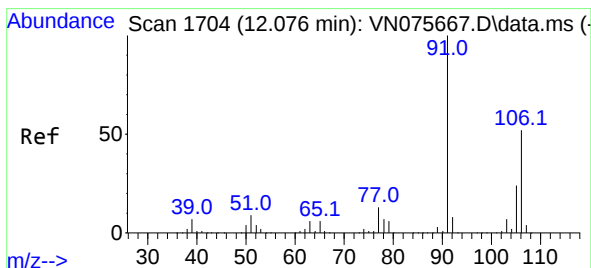
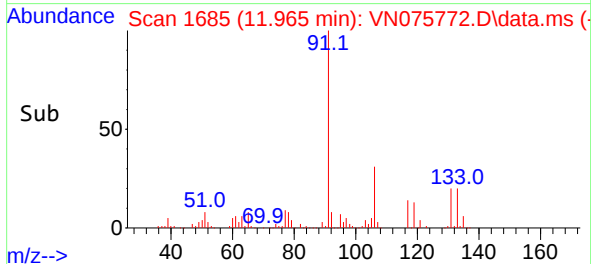
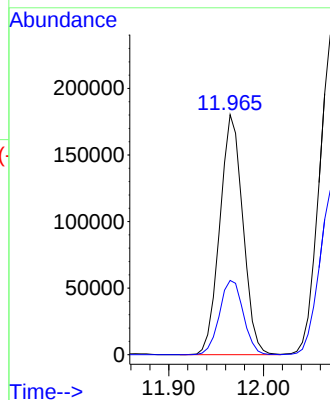
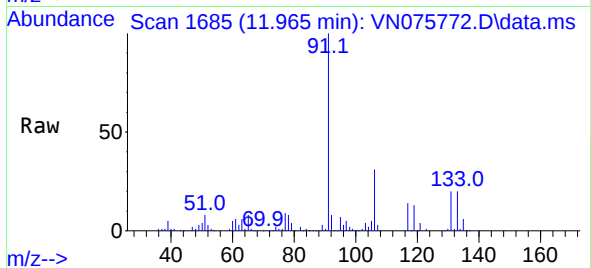
VN1214WBS01

Tgt Ion: 91 Resp: 305353

Ion Ratio Lower Upper

91 100

106 30.9 25.7 38.5



#68

m/p-Xylenes

Concen: 38.159 ug/l

RT: 12.071 min Scan# 1703

Delta R.T. -0.006 min

Lab File: VN075772.D

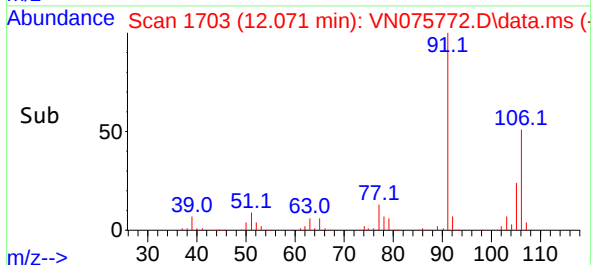
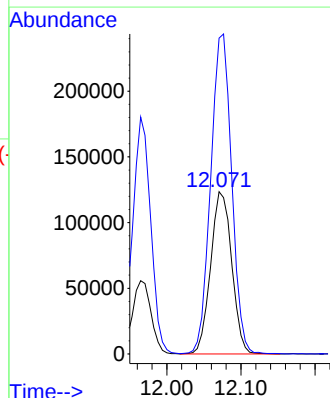
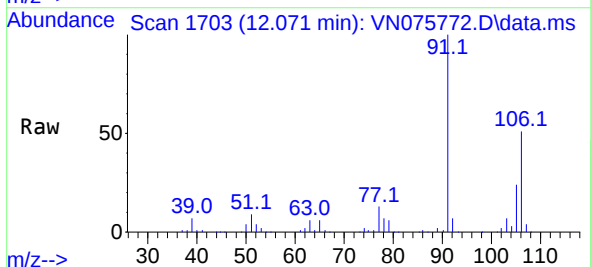
Acq: 14 Dec 2022 16:03

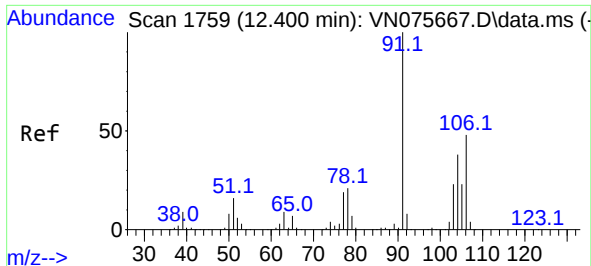
Tgt Ion:106 Resp: 244463

Ion Ratio Lower Upper

106 100

91 196.0 156.6 235.0

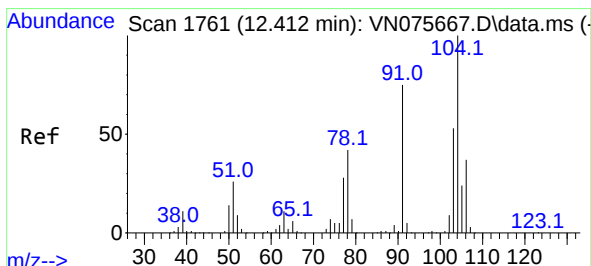
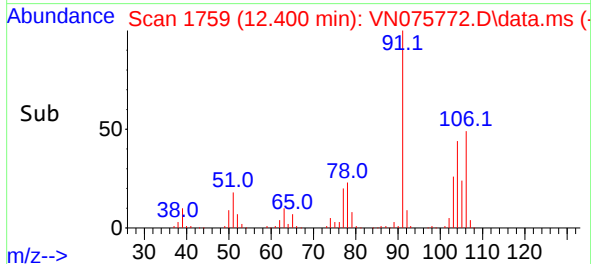
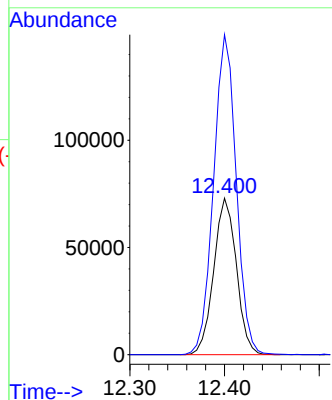
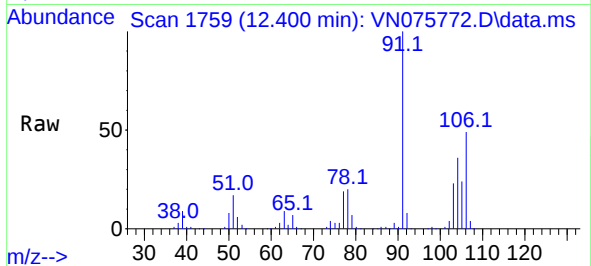




#69  
o-Xylene  
Concen: 19.126 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

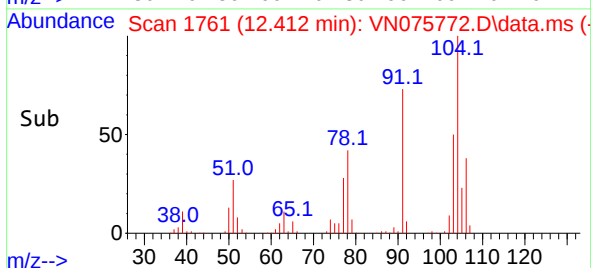
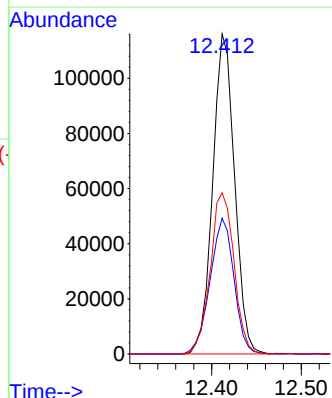
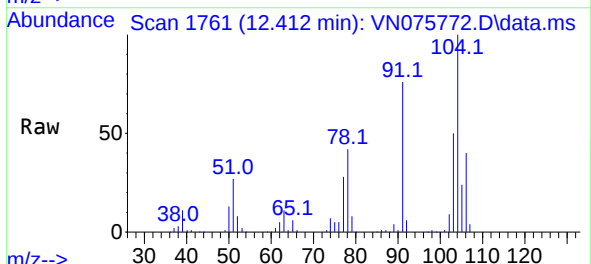
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

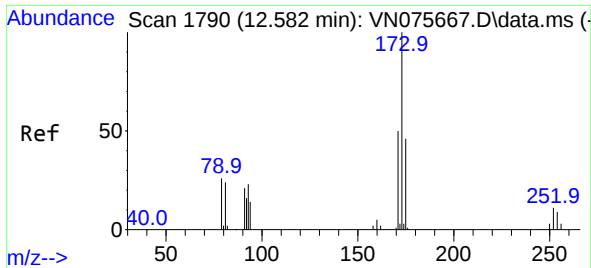
Tgt Ion:106 Resp: 121255  
Ion Ratio Lower Upper  
106 100  
91 204.9 103.8 311.6



#70  
Styrene  
Concen: 19.484 ug/l  
RT: 12.412 min Scan# 1761  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion:104 Resp: 196411  
Ion Ratio Lower Upper  
104 100  
78 46.3 37.5 56.3  
103 54.7 43.5 65.3

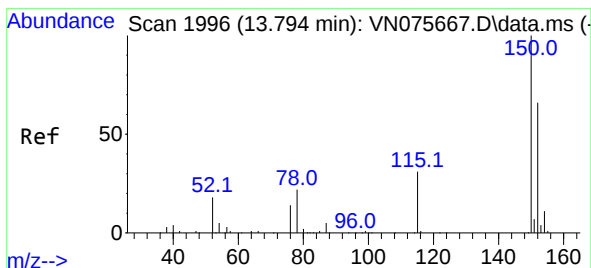
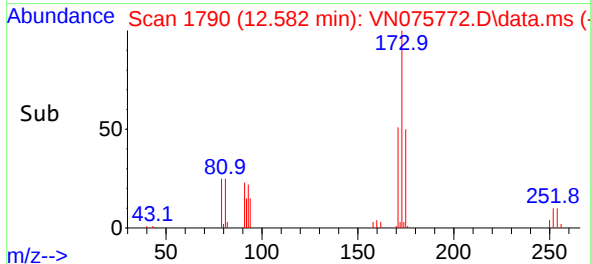
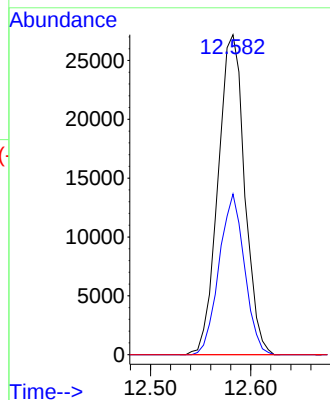
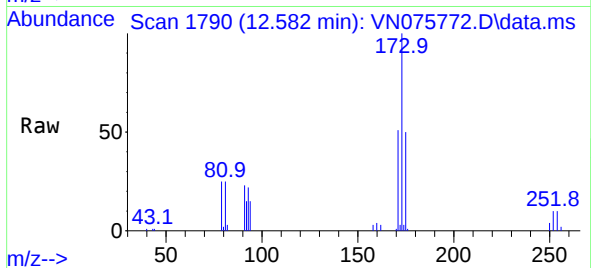




#71  
Bromoform  
Concen: 19.376 ug/l  
RT: 12.582 min Scan# 1790  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

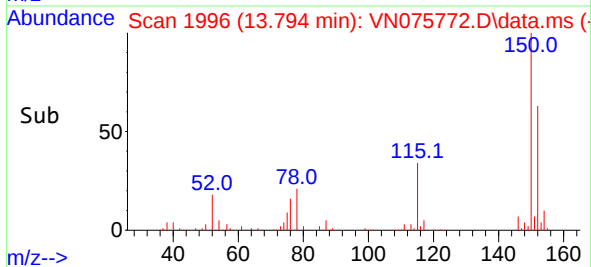
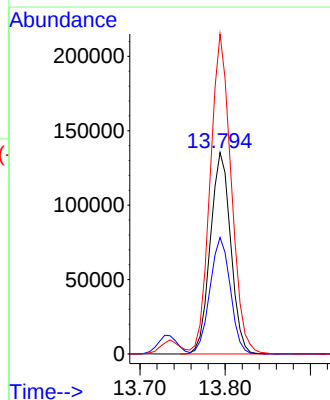
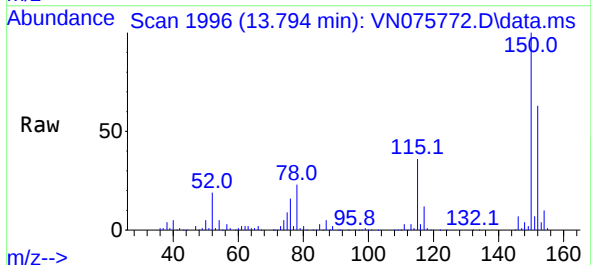
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

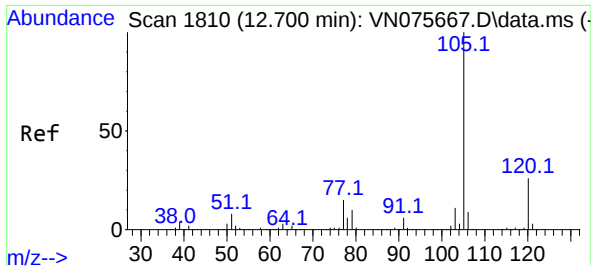
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.0  | 24.3  | 72.8  |
| 254     | 0.0   | 0.0   | 0.0   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.8  | 29.1  | 87.4  |
| 150     | 163.5 | 0.0   | 347.0 |

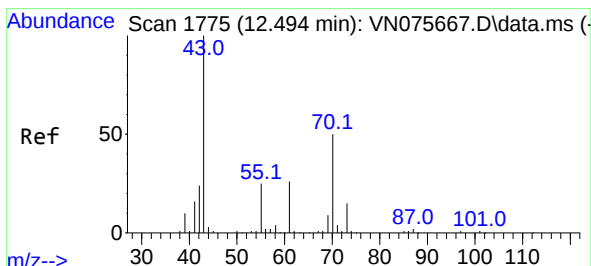
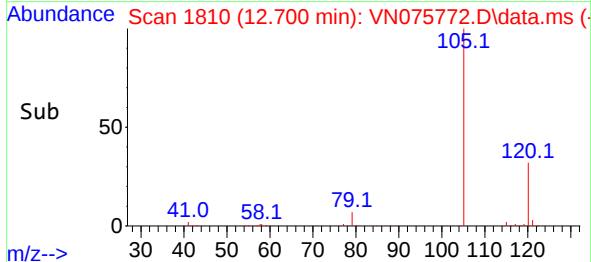
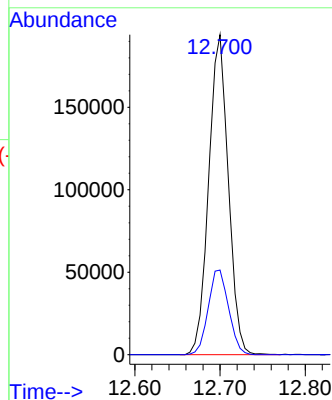
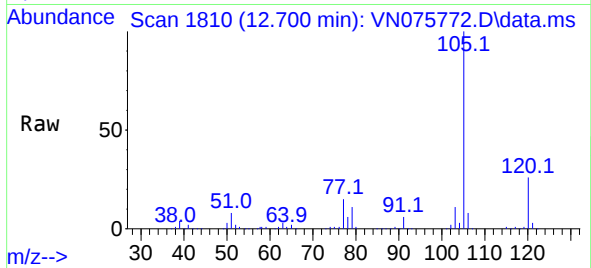




#73  
Isopropylbenzene  
Concen: 19.066 ug/l  
RT: 12.700 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

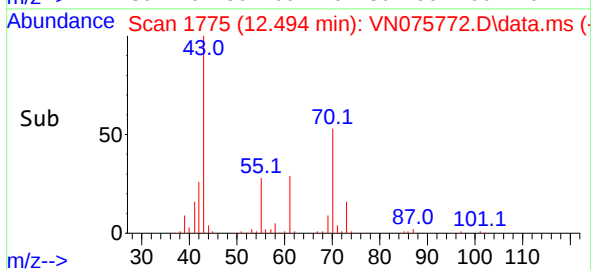
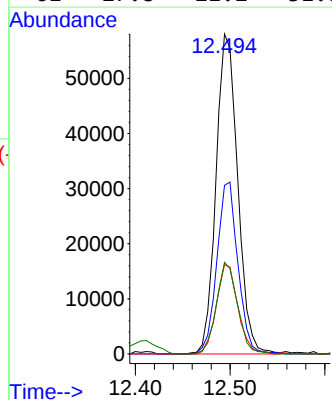
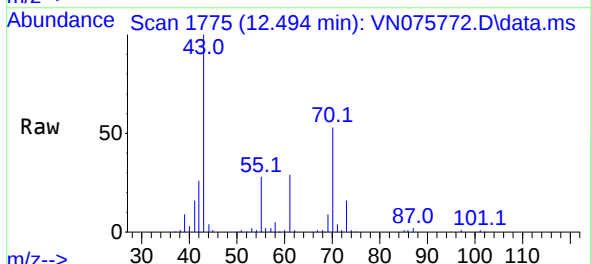
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

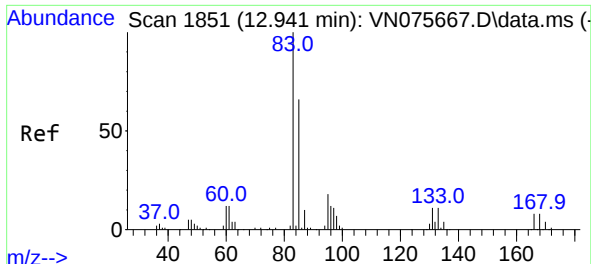
Tgt Ion:105 Resp: 309865  
Ion Ratio Lower Upper  
105 100  
120 27.6 13.4 40.2



#74  
N-ethyl acetate  
Concen: 19.432 ug/l  
RT: 12.494 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 43 Resp: 92646  
Ion Ratio Lower Upper  
43 100  
70 52.2 41.4 62.0  
55 27.9 21.3 31.9  
61 27.8 21.2 31.8

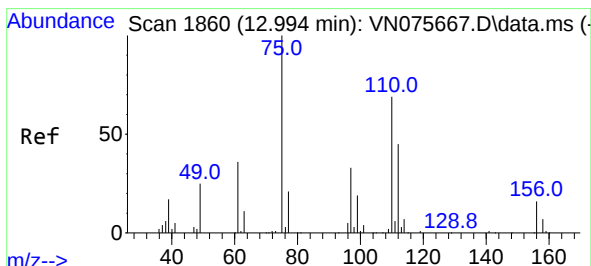
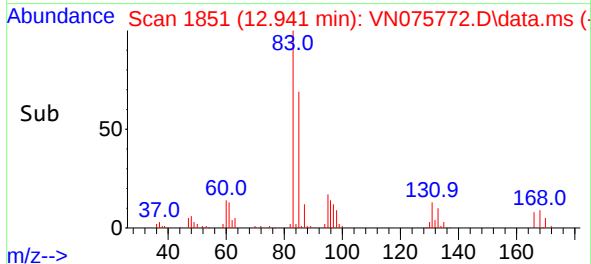
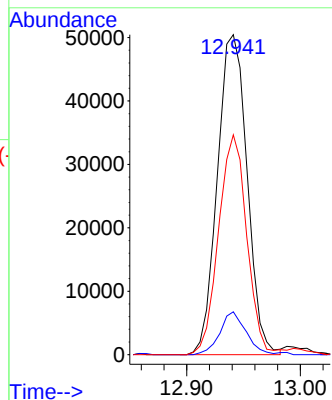
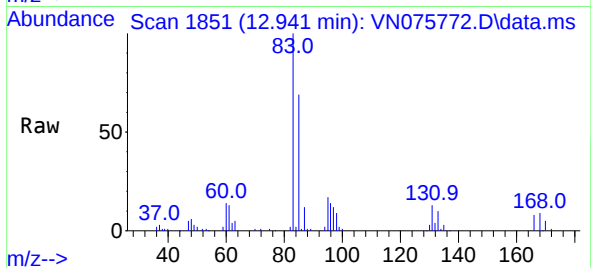




#75  
1,1,2,2-Tetrachloroethane  
Concen: 18.288 ug/l  
RT: 12.941 min Scan# 1851  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

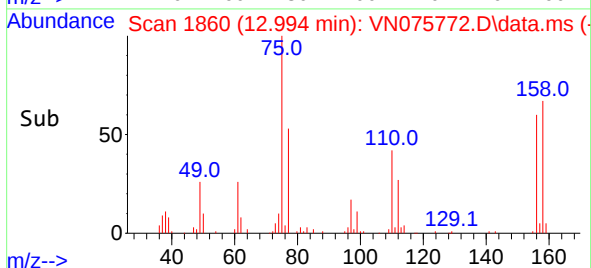
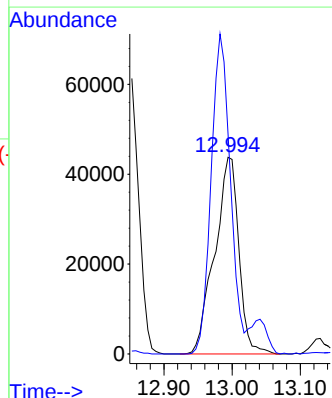
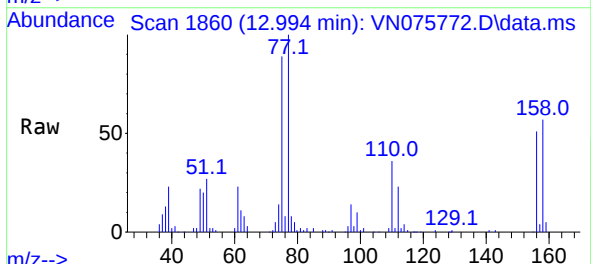
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

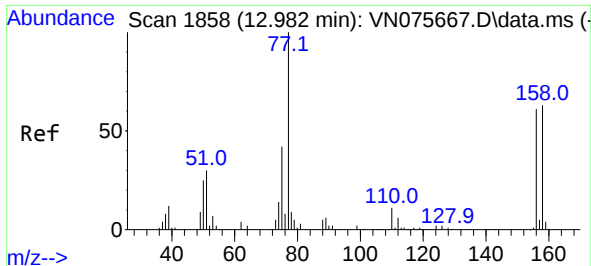
Tgt Ion: 83 Resp: 91882  
Ion Ratio Lower Upper  
83 100  
131 12.1 5.6 16.8  
85 64.8 32.6 98.0



#76  
1,2,3-Trichloropropane  
Concen: 23.797 ug/l  
RT: 12.994 min Scan# 1860  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 75 Resp: 107882  
Ion Ratio Lower Upper  
75 100  
77 131.2 82.6 247.8

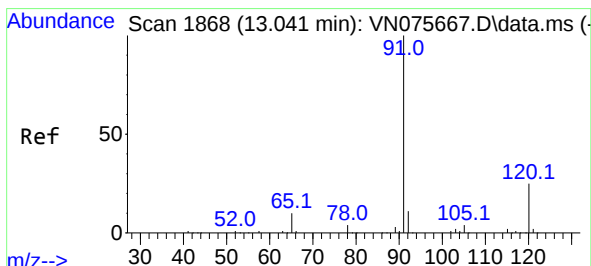
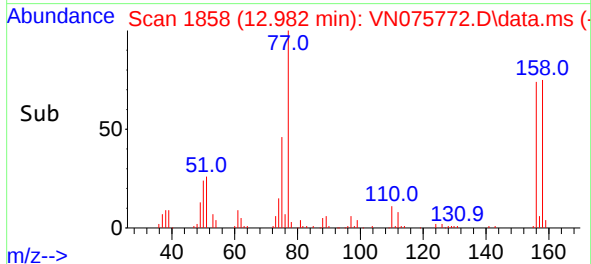
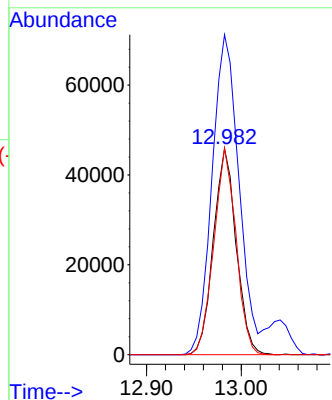
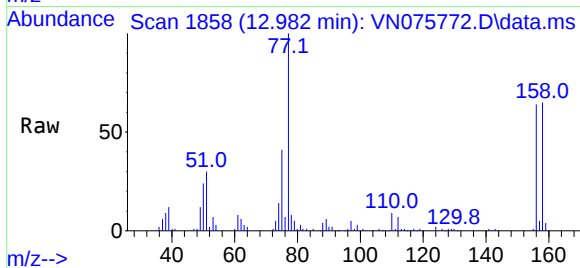




#77  
Bromobenzene  
Concen: 18.685 ug/l  
RT: 12.982 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

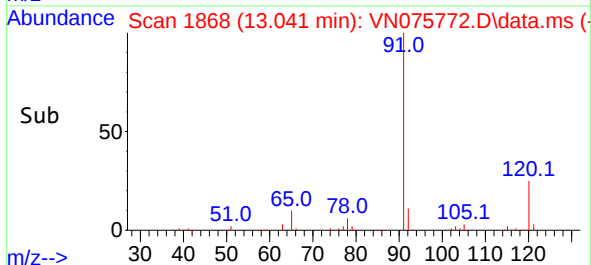
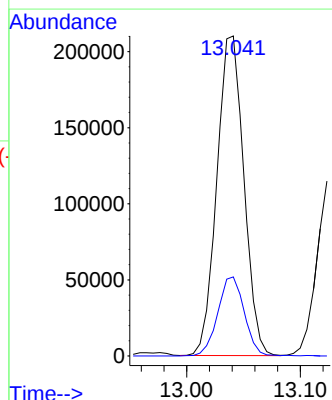
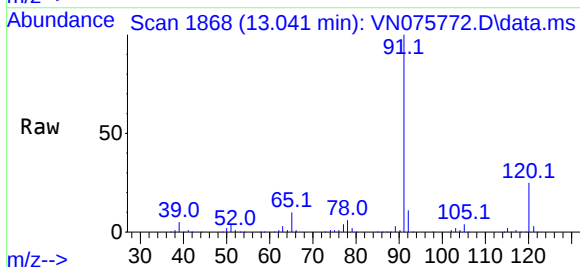
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

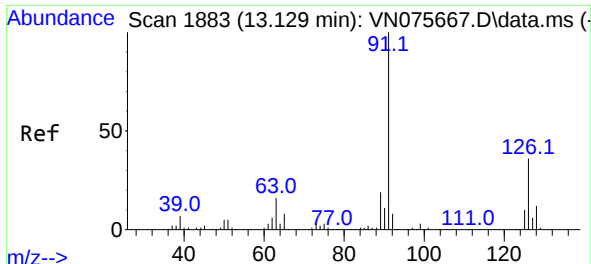
Tgt Ion:156 Resp: 76852  
Ion Ratio Lower Upper  
156 100  
77 184.1 93.8 281.3  
158 97.3 48.9 146.6



#78  
n-propylbenzene  
Concen: 19.345 ug/l  
RT: 13.041 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 91 Resp: 346761  
Ion Ratio Lower Upper  
91 100  
120 24.3 12.0 36.1





#79

2-Chlorotoluene

Concen: 18.711 ug/l

RT: 13.129 min Scan# 1883

Delta R.T. 0.000 min

Lab File: VN075772.D

Acq: 14 Dec 2022 16:03

Instrument :

MSVOA\_N

ClientSampleId :

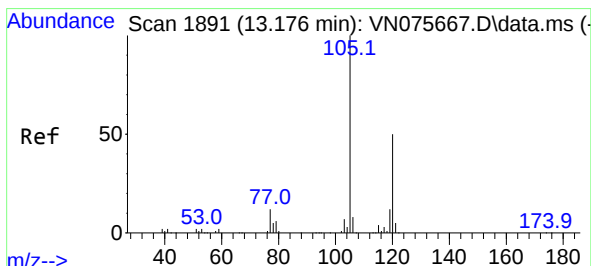
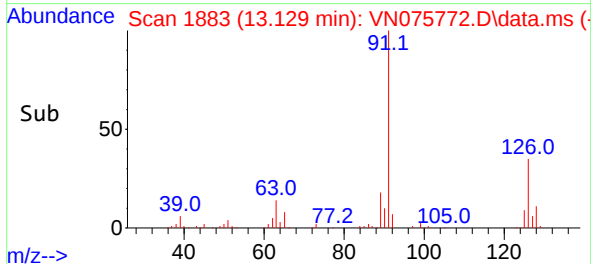
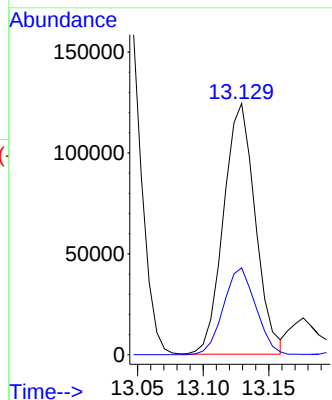
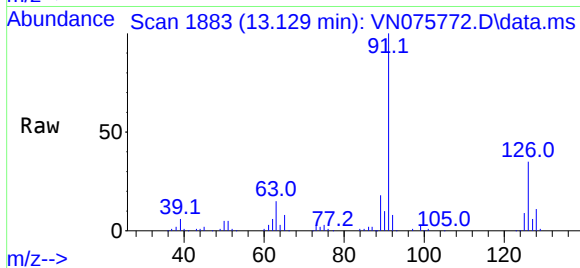
VN1214WBS01

Tgt Ion: 91 Resp: 209361

Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 19.837 ug/l

RT: 13.176 min Scan# 1891

Delta R.T. 0.000 min

Lab File: VN075772.D

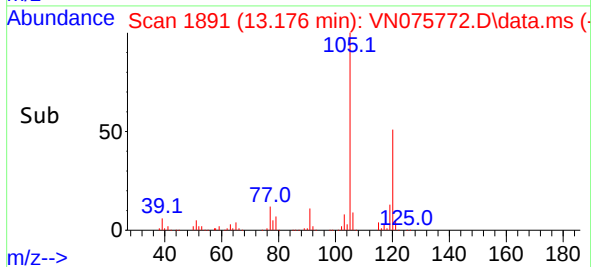
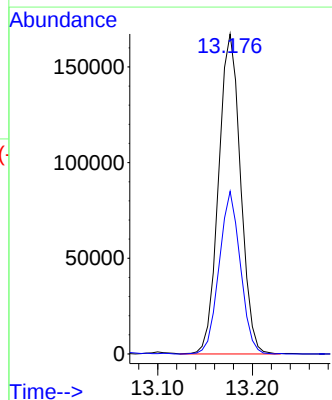
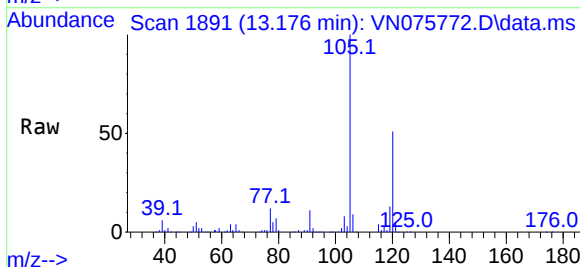
Acq: 14 Dec 2022 16:03

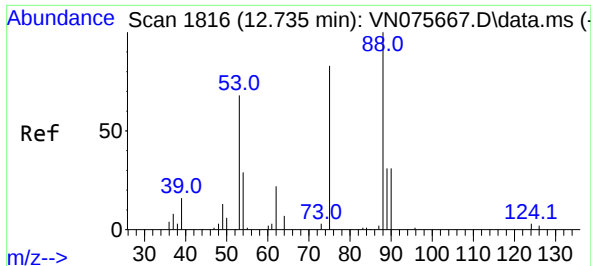
Tgt Ion:105 Resp: 269826

Ion Ratio Lower Upper

105 100

120 49.0 24.7 74.1

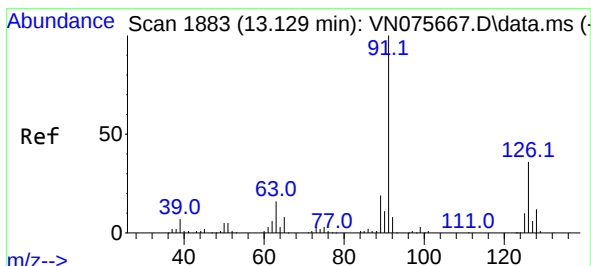
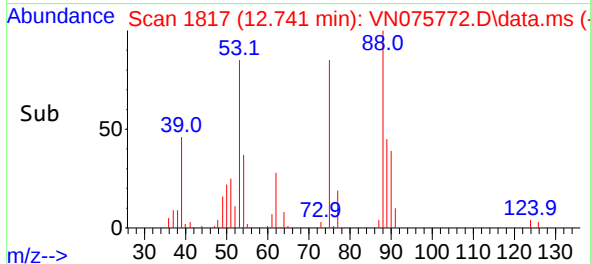
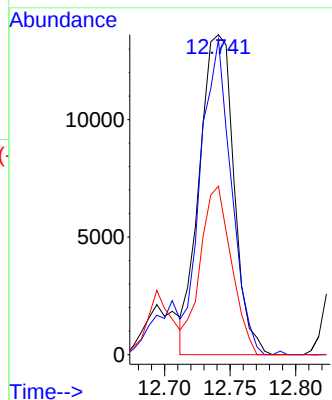
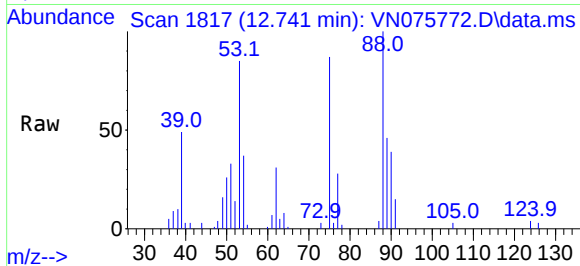




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.753 ug/l  
RT: 12.741 min Scan# 1817  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

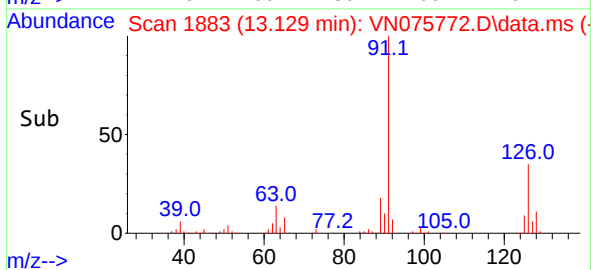
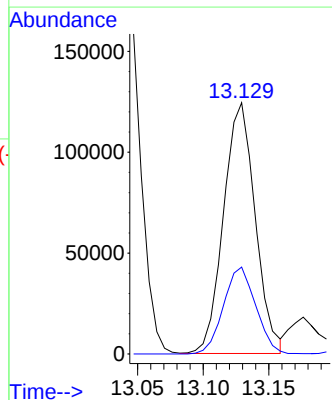
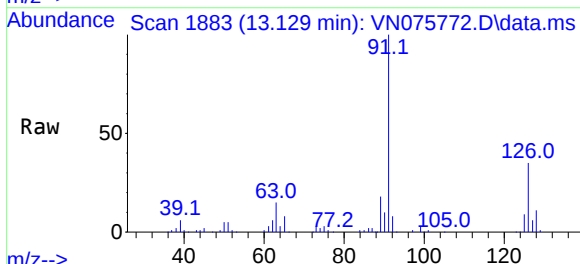
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

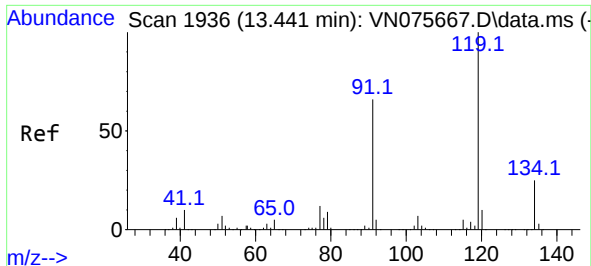
Tgt Ion: 75 Resp: 24878  
Ion Ratio Lower Upper  
75 100  
53 100.5 73.8 110.6  
89 47.9 39.5 59.3



#82  
4-Chlorotoluene  
Concen: 18.711 ug/l  
RT: 13.129 min Scan# 1883  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 91 Resp: 209361  
Ion Ratio Lower Upper  
91 100  
126 35.2 17.5 52.5

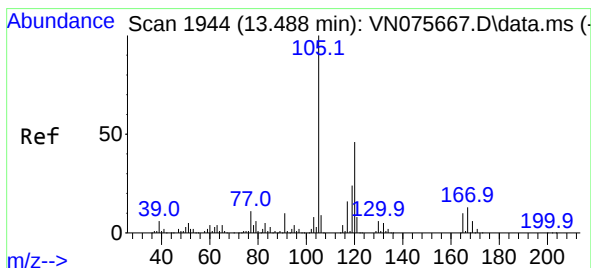
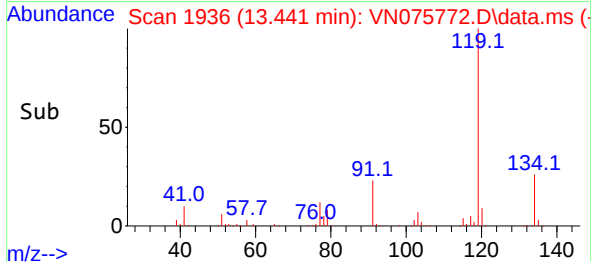
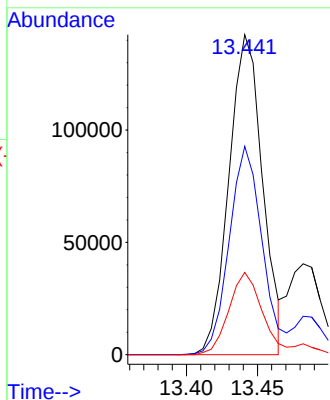
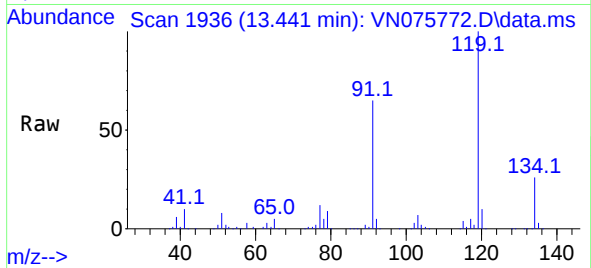




#83  
tert-Butylbenzene  
Concen: 19.582 ug/l  
RT: 13.441 min Scan# 1936  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

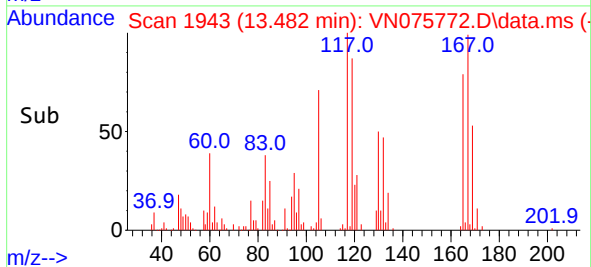
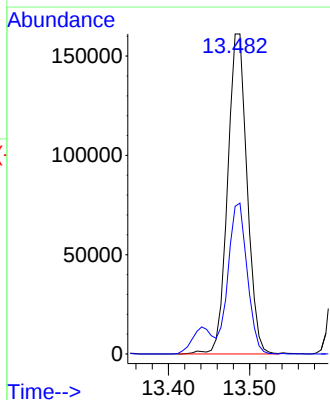
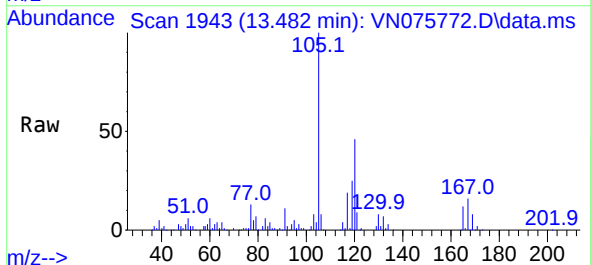
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

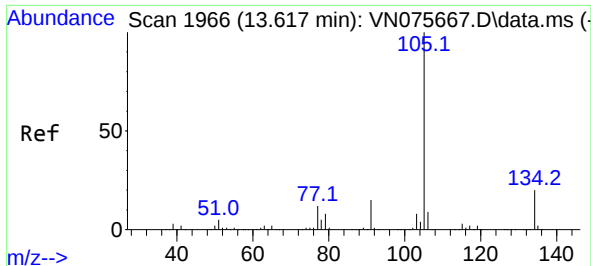
Tgt Ion:119 Resp: 234841  
Ion Ratio Lower Upper  
119 100  
91 64.1 31.9 95.5  
134 25.8 13.8 41.4



#84  
1,2,4-Trimethylbenzene  
Concen: 19.882 ug/l  
RT: 13.482 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion:105 Resp: 268283  
Ion Ratio Lower Upper  
105 100  
120 45.9 23.3 69.8

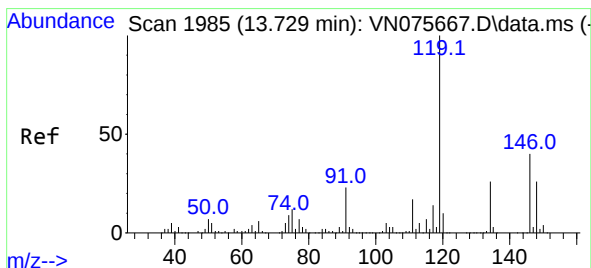
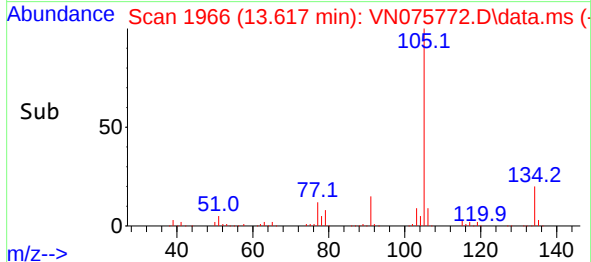
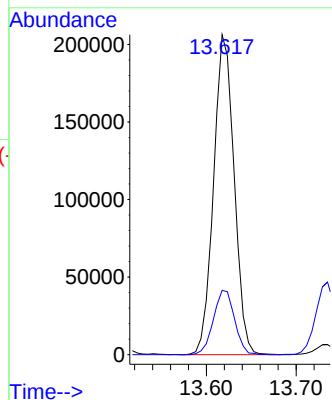
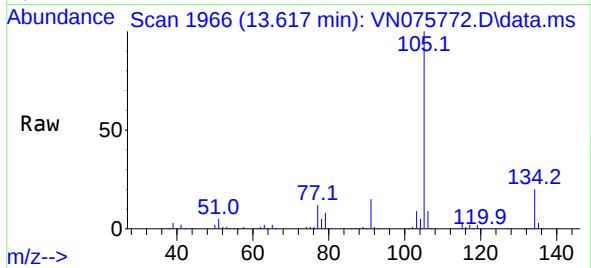




#85  
 sec-Butylbenzene  
 Concen: 19.796 ug/l  
 RT: 13.617 min Scan# 1966  
 Delta R.T. 0.000 min  
 Lab File: VN075772.D  
 Acq: 14 Dec 2022 16:03

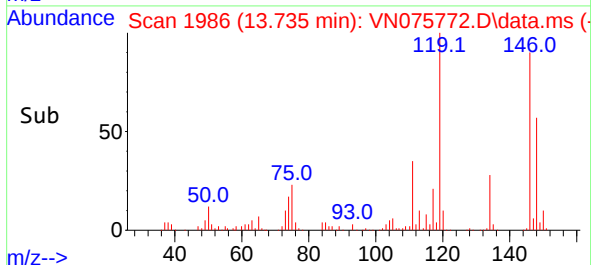
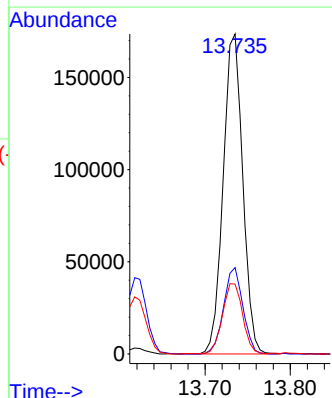
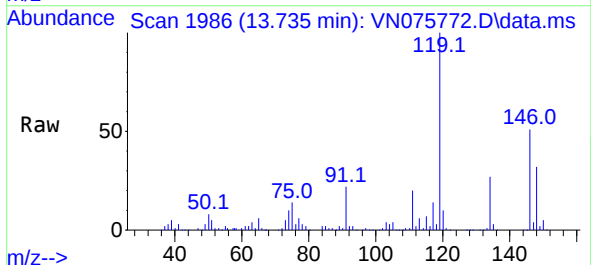
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1214WBS01

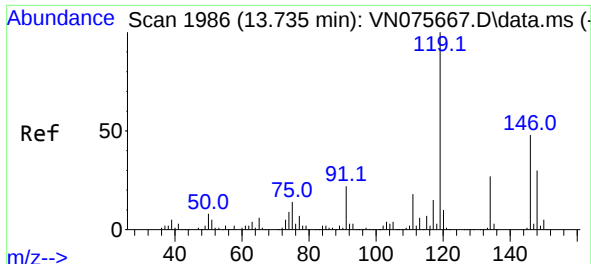
Tgt Ion:105 Resp: 327671  
 Ion Ratio Lower Upper  
 105 100  
 134 20.7 10.1 30.1



#86  
 p-Isopropyltoluene  
 Concen: 20.144 ug/l  
 RT: 13.735 min Scan# 1986  
 Delta R.T. 0.006 min  
 Lab File: VN075772.D  
 Acq: 14 Dec 2022 16:03

Tgt Ion:119 Resp: 277451  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 13.0 39.0  
 91 22.7 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 19.067 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN075772.D

Acq: 14 Dec 2022 16:03

Instrument :

MSVOA\_N

ClientSampleId :

VN1214WBS01

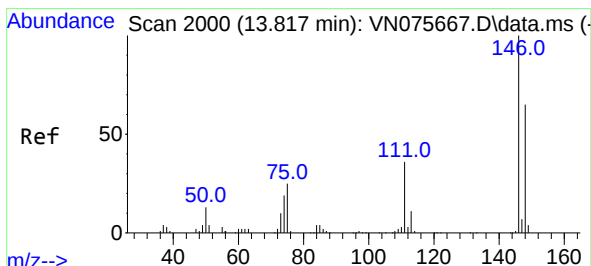
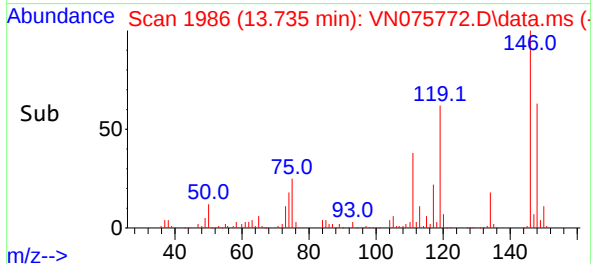
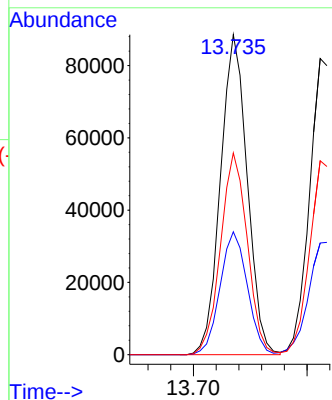
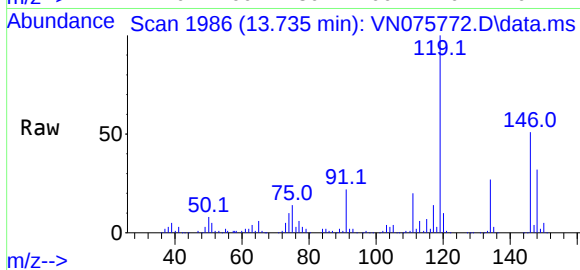
Tgt Ion:146 Resp: 144865

Ion Ratio Lower Upper

146 100

111 39.2 19.7 59.0

148 63.2 31.4 94.2



#88

1,4-Dichlorobenzene

Concen: 18.262 ug/l

RT: 13.812 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VN075772.D

Acq: 14 Dec 2022 16:03

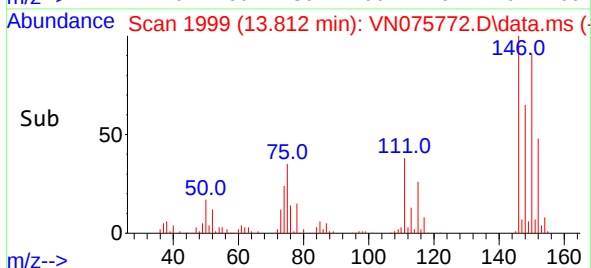
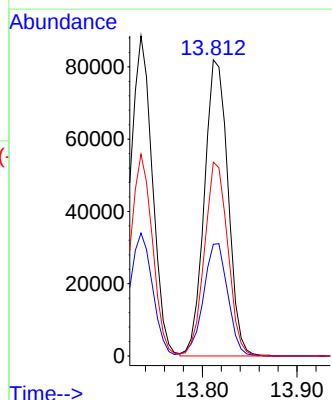
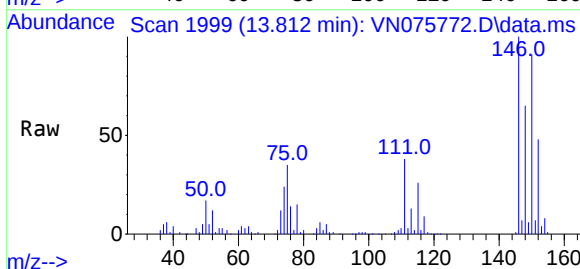
Tgt Ion:146 Resp: 141737

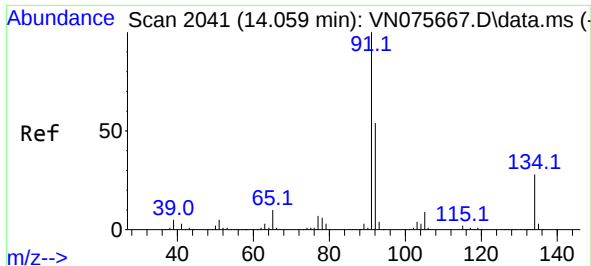
Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.1

148 64.7 32.0 96.2

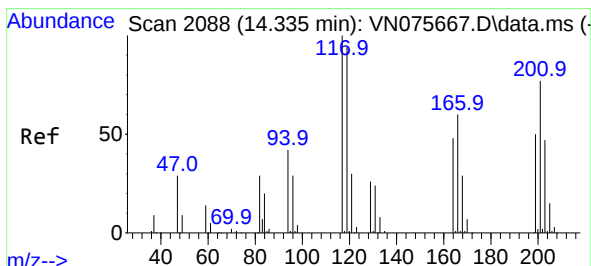
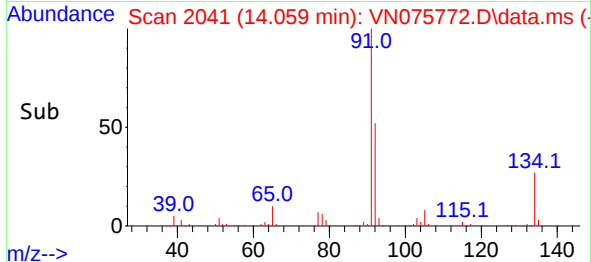
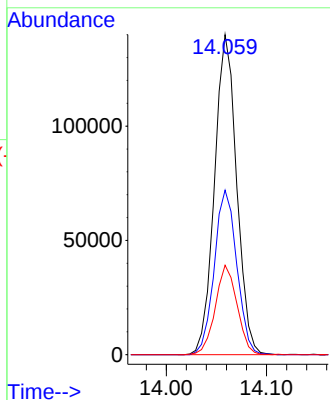
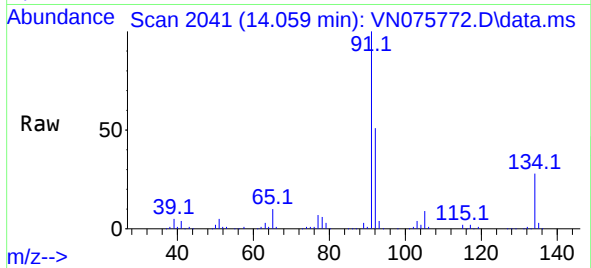




#89  
n-Butylbenzene  
Concen: 19.272 ug/l  
RT: 14.059 min Scan# 2041  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

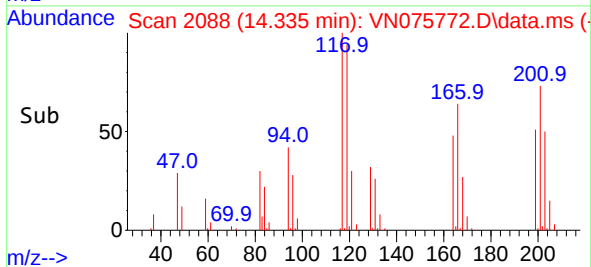
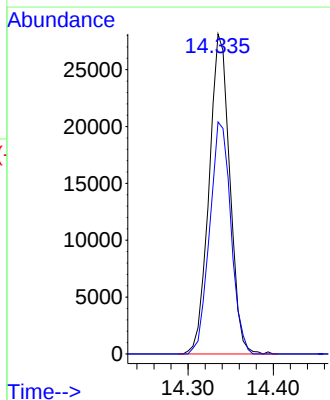
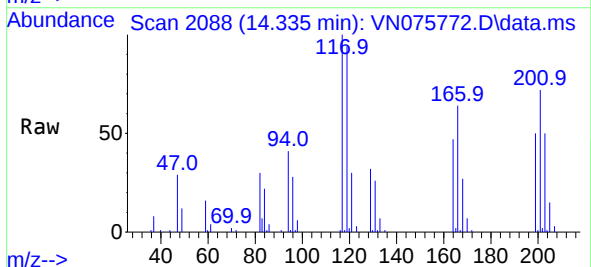
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

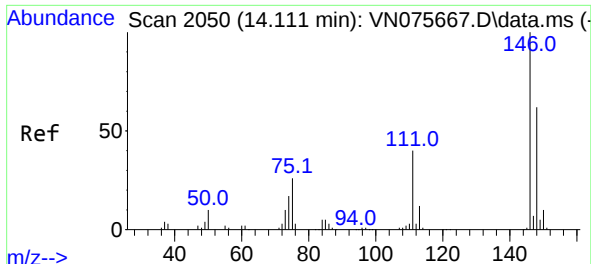
Tgt Ion: 91 Resp: 215045  
Ion Ratio Lower Upper  
91 100  
92 52.2 26.4 79.2  
134 27.5 13.4 40.2



#90  
Hexachloroethane  
Concen: 19.296 ug/l  
RT: 14.335 min Scan# 2088  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 117 Resp: 47541  
Ion Ratio Lower Upper  
117 100  
201 74.2 38.0 114.1

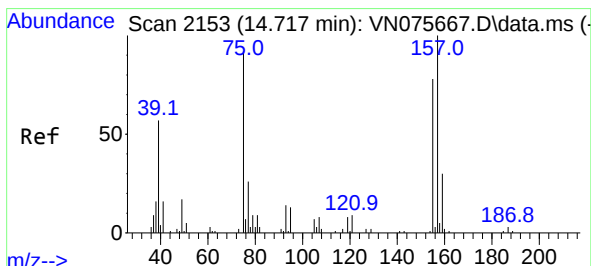
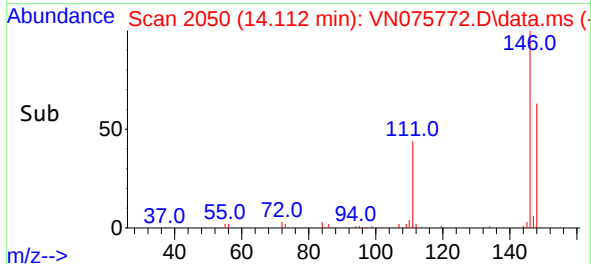
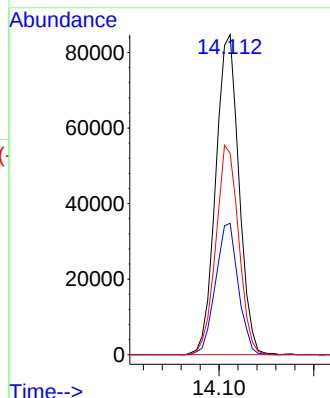
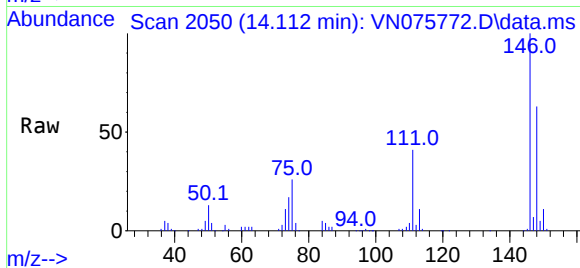




#91  
1,2-Dichlorobenzene  
Concen: 19.282 ug/l  
RT: 14.112 min Scan# 2050  
Delta R.T. 0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

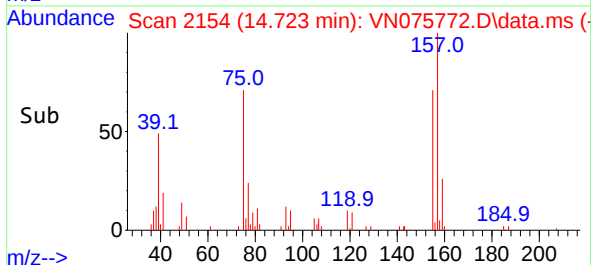
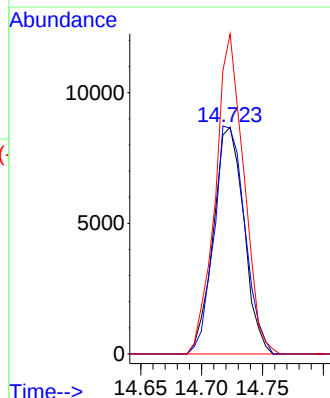
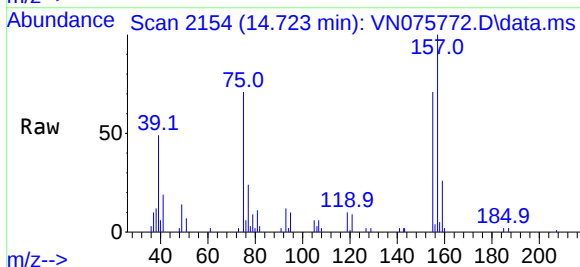
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

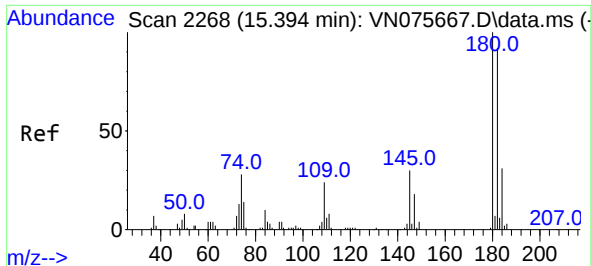
Tgt Ion:146 Resp: 144296  
Ion Ratio Lower Upper  
146 100  
111 40.3 20.3 61.0  
148 64.4 31.7 95.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 16.970 ug/l  
RT: 14.723 min Scan# 2154  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion: 75 Resp: 15129  
Ion Ratio Lower Upper  
75 100  
155 101.5 49.3 147.8  
157 131.7 63.7 191.3

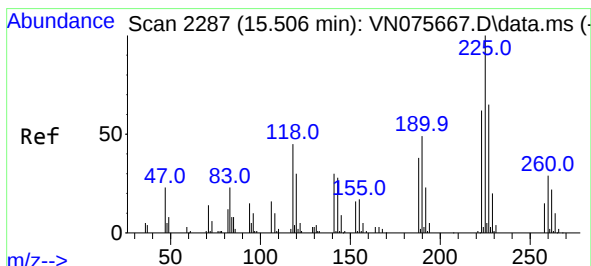
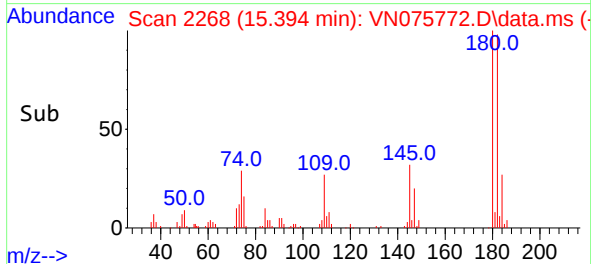
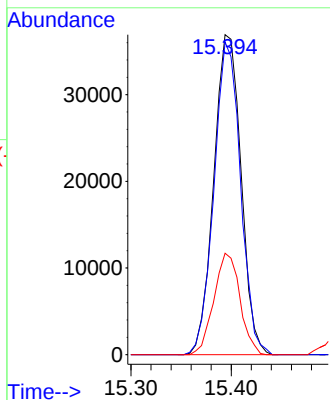
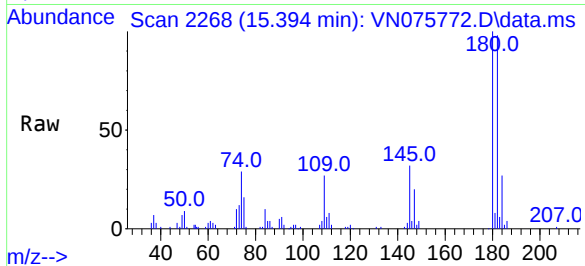




#93  
1,2,4-Trichlorobenzene  
Concen: 18.754 ug/l  
RT: 15.394 min Scan# 2268  
Delta R.T. -0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

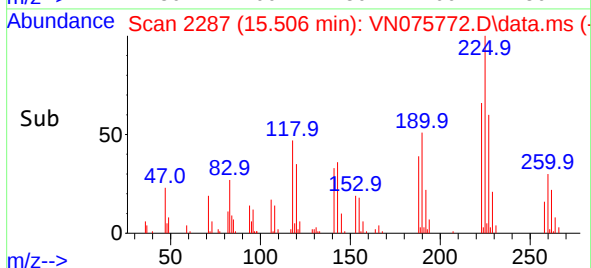
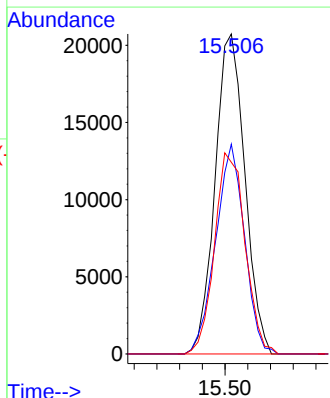
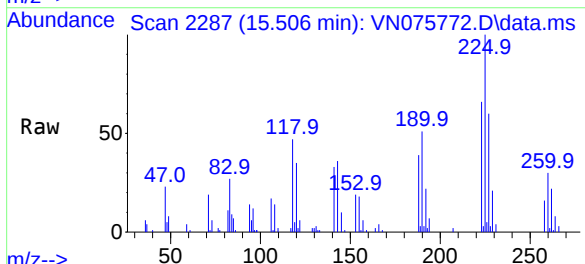
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

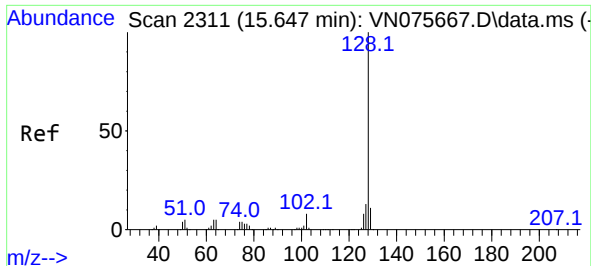
Tgt Ion:180 Resp: 69482  
Ion Ratio Lower Upper  
180 100  
182 95.3 47.5 142.5  
145 30.4 15.3 45.8



#94  
Hexachlorobutadiene  
Concen: 18.706 ug/l  
RT: 15.506 min Scan# 2287  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion:225 Resp: 37812  
Ion Ratio Lower Upper  
225 100  
223 63.4 31.5 94.5  
227 64.4 31.6 95.0



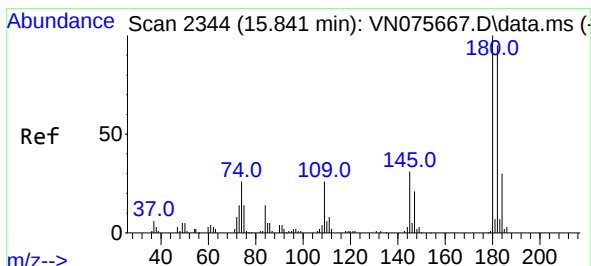
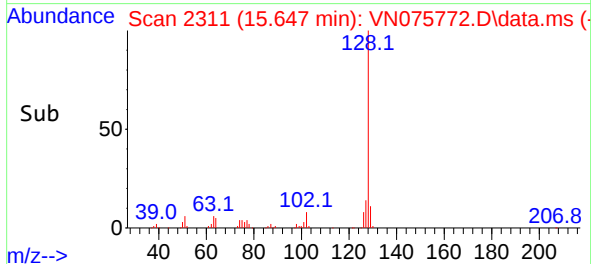
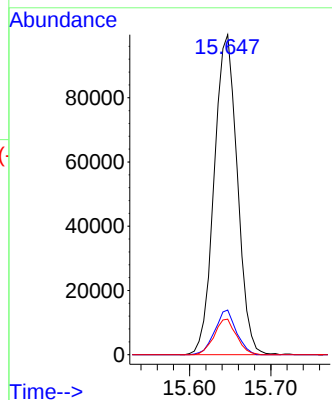
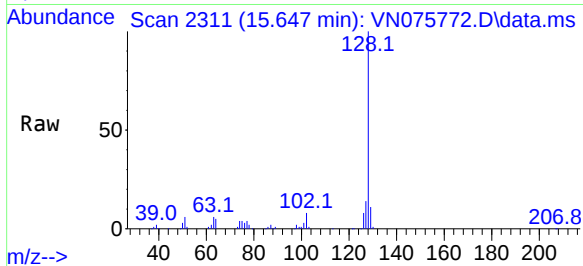


#95  
Naphthalene  
Concen: 17.590 ug/l  
RT: 15.647 min Scan# 2311  
Delta R.T. 0.006 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214WBS01

Tgt Ion:128 Resp: 197230

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.0  | 10.4  | 15.6  |
| 129 | 10.7  | 8.7   | 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 18.640 ug/l  
RT: 15.841 min Scan# 2344  
Delta R.T. 0.000 min  
Lab File: VN075772.D  
Acq: 14 Dec 2022 16:03

Tgt Ion:180 Resp: 64547

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.8  | 47.0  | 141.0 |
| 145 | 33.3  | 16.0  | 47.9  |

